Developing a Hgh-Performing Statement of Work





Jake Smithwick, PhD, MPA
Director of Education

Jake.Smithwick@uncc.edu

Download Today's Slides & Resources

center4procurement.org/dfw





RFP vs. SOW: How are they Related?

RFP

Request for Proposal



Information Technology (IT)
Software Implementation Template

RFP Number: #####

RFP Release Date: MM/DD/YYYY RFP Due Date: MM/DD/YYYY



RFP vs. SOW: How are they Related?

RFP

Request for Proposal



Information Technology (IT)
Software Implementation Template

RFP Number: #####

RFP Release Date: MM/DD/YYYY RFP Due Date: MM/DD/YYYY

Statement of Work

2 Current Conditions

3 Proposal Requirements

4 Evaluation Procedures

Administrative Requirements

6 Proposal Forms

Attachments & Exhibits



Organizing a High-Performing RFP

RFP

Request for Proposal



Information Technology (IT)
Software Implementation Template

RFP Number: #####

RFP Release Date: MM/DD/YYYY RFP Due Date: MM/DD/YYYY

Statement of Work

Current Conditions

What the Client is Purchasing

Proposal Requirements

Evaluation Procedures

Administrative Requirements

6 Proposal Forms

Attachments & Exhibits



Organizing a High-Performing RFP

RFP

Request for Proposal



Information Technology (IT)
Software Implementation Template

RFP Number: #####

RFP Release Date: MM/DD/YYYY
RFP Due Date: MM/DD/YYYY

Statement of Work

2 Current Conditions

What the Client is Purchasing

Proposal Requirements

Evaluation Procedures

Administrative Requirements

6 Proposal Forms

Attachments & Exhibits **How** the Client will Evaluate and Select the vendor

Center for Procurement Exce

DEFINITION: Statement of Work (SOW)

- The Statement of Work (SOW) is an <u>essential</u> part of any solicitation.
- Describes what you are looking to purchase, acquire, or achieve.



Terminology

All are Included...

- Statement of Work (SOW)
- Scope of Work (SOW)
- Specifications or Minimum Specifications
- Requirements or Minimum Requirements
 - Business Requirements
 - Technical Requirements
 - Functional Requirements
- Minimum Qualifications







Turn to the "SOW Workshop" Handout

W = White | B = Black | R = Red | S = Silver

SOW Workshop Form TEAM MEMBERS: **VEHICLES:** \$14,000 13 \$18,000 14 \$16,000 Dodge \$22,000 Honda SEDAN Ford \$21,000 \$15,000 \$23,000 \$28,000 Honda \$19,000 6 Toyota \$29,000 Dodge \$24,000 18 VAN Chrysler Dodge \$29,000 \$25,000 Chevy \$38,000 Honda \$35,000 Audi \$35,000 10 11 BMW \$60,000 LUXURY Porsche \$105,000 \$125,000 FEEDBACK: Vehicles Selected (#): Level of Satisfaction with requirements (1-10) (10 = Extremely Satisfied & 1 = Extremely Dissatisfied): SCENARIO #8

| | | | | | | | | | | | OPTIONS | | | |
|----------|----|----------|--------------|--------|--------------|----------|----------|--------------|-------|------------------|--------------------|----------------|---------|-----------|
| CATEGORY | | MAKE | TYPE MILEAGE | | | coı | LOR | | SEATS | BACKUP CAMERA | REMOVABLE SEATS | TOW PACKAGE | SAFETY | MSRP |
| | | | | | W | В | R | S | | | | | | |
| | 1 | Kia | Used | 59,000 | | V | V | | 4 | | | | 5 Stars | \$14,000 |
| | 2 | Honda | Used | 66,000 | V | V | V | V | 4 | | | | 5 Stars | \$16,000 |
| SEDAN | 3 | Ford | New | 11 | V | V | V | V | 4 | | | V | 5 Stars | \$21,000 |
| | 4 | Chevy | New | 13 | V | V | V | V | 4 | V | | | 5 Stars | \$23,000 |
| | | | l . | | _ | | | | | | | | l | |
| | 5 | Honda | Used | 39,000 | V | V | | V | 5 | V | ✓ | ✓ | 5 Stars | \$19,000 |
| SUV | 6 | Toyota | New | 8 | | V | ✓ | | 5 | V | | V | 5 Stars | \$29,000 |
| | 7 | Dodge | New | 12 | \checkmark | | | \checkmark | 7 | V | ✓ | V | 5 Stars | \$29,000 |
| | 8 | Chevy | New | 6 | V | V | | \checkmark | 7 | V | V | \checkmark | 5 Stars | \$38,000 |
| | 9 | Audi | New | 11 | V | V | V | V | 4 | V | V | V | 5 Stars | \$35,000 |
| | 10 | BMW | New | 12 | <u>.</u> | <u>.</u> | <u>.</u> | <u> </u> | 4 | <u>.</u> ✓ | ☑ | | 5 Stars | \$60,000 |
| LUXURY | 11 | Porsche | New | 7 | ✓ | · | <u>.</u> | Ŀ | 2 | | Ŀ | | 5 Stars | \$105,000 |
| | 12 | Ferrari | New | 2 | I | | <u>√</u> | | 2 | | | | 5 Stars | \$105,000 |
| | 12 | reman | New | 2 | | | V | | 2 | | | | 5 Stars | \$125,000 |
| | 13 | Toyota | Used | 74,000 | V | V | | V | 3 | V | | V | 5 Stars | \$18,000 |
| TRUCK | 14 | Dodge | New | 11 | V | V | | V | 5 | V | | V | 5 Stars | \$22,000 |
| IRUCK | 15 | Ford | Used | 98,000 | V | V | | V | 5 | | | V | 5 Stars | \$15,000 |
| | 16 | Chevy | New | 24 | V | V | V | V | 5 | \checkmark | | V | 5 Stars | \$28,000 |
| | | *** | | | | | | | _ | | | | | 400.000 |
| | 17 | Kia . | Used | 47,000 | ☑ | | ✓ | | 7 | <u> </u> | 7 | 7 | 5 Stars | \$22,000 |
| VAN | 18 | Dodge | New | 23 | ✓ | ✓ | V | V | 7 | <u> </u> | | | 5 Stars | \$24,000 |
| | 19 | Chrysler | New | 17 | V | V | ✓ | V | 7 | V | ✓ | ✓ | 5 Stars | \$25,000 |
| | 20 | Honda | New | 19 | \checkmark | V | | \checkmark | 7 | V | | ✓ | 5 Stars | \$35,000 |

Summary of Objectives

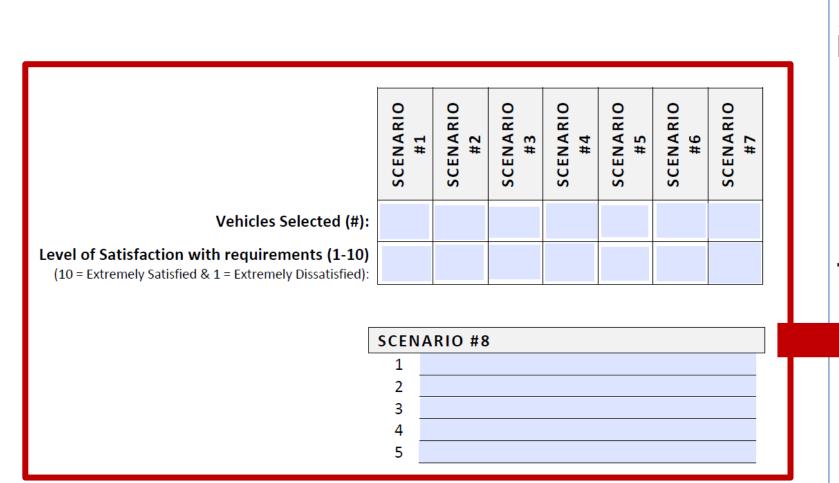
 You will play the role of a salesperson for a <u>Car Dealership</u>.

 Your task will be to identify the 'best' vehicle for a customer based on your current inventory of vehicles.





Workshop Form



Evaluation Form

TEAM MEMBERS:

VEHICLES:

| | 1 | Kia | \$14,000 |
|-------|---|-------|----------|
| SEDAN | 2 | Honda | \$16,000 |
| SEDAN | 3 | Ford | \$21,000 |
| | 4 | Chevy | \$23,000 |

| | 5 | Honda | \$19,000 |
|------|---|--------|----------|
| SUV | 6 | Toyota | \$29,000 |
| 30 0 | 7 | Dodge | \$29,000 |
| | 8 | Chevy | \$38,000 |

| | 9 | Audi | \$35,000 |
|--------|----|---------|-----------|
| | 10 | BMW | \$60,000 |
| LUXURY | 11 | Porsche | \$105,000 |
| | 12 | Ferrari | \$125,000 |

| | 13 | Toyota | \$18,000 |
|-------|----|--------|----------|
| TRUCK | 14 | Dodge | \$22,000 |
| IRUCK | 15 | Ford | \$15,000 |
| | 16 | Chevy | \$28,000 |

| | 17 | Kia | \$22,000 |
|-----|----|----------|----------|
| VAN | 18 | Dodge | \$24,000 |
| VAN | 19 | Chrysler | \$25,000 |
| | 20 | Honda | ¢25 000 |

FEEDBACK:

Vehicles Selected (#):

Level of Satisfaction with requirements (1-10) (10 = Extremely Satisfied & 1 = Extremely Dissatisfied):

| | SCENARIO #1 | SCENARIO #2 | SCENARIO #3 | SCENARIO #4 | SCENARIO #5 | SCENARIO #6 | SCENARIO #7 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | | | | | |
|) | | | | | | | |

| SCEN | IARIO #8 |
|------|----------|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| | |

Center for Procurement Excellence

• I need to purchase a vehicle.

What is the best deal that you can offer me?

• I will be back at the end of the week to purchase the vehicle!



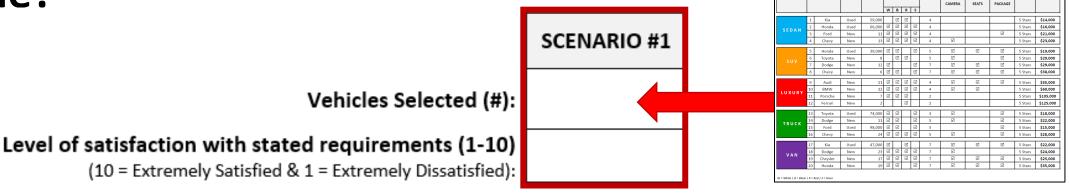
| | | | | | | | | | | | OPTIONS | | | |
|----------|----|----------|------|---------------|-----------------|--------------|------------------|--------------------|----------------|----------|--------------|--------------|---------|-----------|
| CATEGORY | | MAKE | TYPE | MILEAGE COLOR | | SEATS | BACKUP CAMERA | REMOVABLE SEATS | TOW PACKAGE | SAFETY | MSRP | | | |
| | | | | | W | В | R | S | | | | | | |
| | 1 | Kia | Used | 59,000 | | \checkmark | \checkmark | | 4 | | | | 5 Stars | \$14,000 |
| SEDAN | 2 | Honda | Used | 66,000 | V | V | V | \checkmark | 4 | | | | 5 Stars | \$16,000 |
| SEDAN | 3 | Ford | New | 11 | V | V | V | \checkmark | 4 | | | 4 | 5 Stars | \$21,000 |
| | 4 | Chevy | New | 13 | V | \checkmark | V | \checkmark | 4 | Ø | | | 5 Stars | \$23,000 |
| | 5 | Honda | Used | 39,000 | V | V | | V | 5 | | V | V | 5 Stars | \$19,000 |
| S U V | 6 | Toyota | New | 8 | | \checkmark | V | | 5 | V | | \checkmark | 5 Stars | \$29,000 |
| 300 | 7 | Dodge | New | 12 | $\overline{\ }$ | | | V | 7 | V | V | \checkmark | 5 Stars | \$29,000 |
| | 8 | Chevy | New | 6 | \checkmark | \checkmark | | \checkmark | 7 | V | ✓ | V | 5 Stars | \$38,000 |
| | 9 | Audi | New | 11 | V | V | V | \checkmark | 4 | V | V | V | 5 Stars | \$35,000 |
| LUVURV | 10 | BMW | New | 12 | V | \checkmark | V | \checkmark | 4 | V | \checkmark | | 5 Stars | \$60,000 |
| LUXURY | 11 | Porsche | New | 7 | V | V | V | | 2 | | | | 5 Stars | \$105,000 |
| | 12 | Ferrari | New | 2 | | | V | | 2 | | | | 5 Stars | \$125,000 |
| | 13 | Toyota | Used | 74,000 | V | V | | V | 3 | | | V | 5 Stars | \$18,000 |
| TRUCK | 14 | Dodge | New | 11 | V | \checkmark | | \checkmark | 5 | V | | \square | 5 Stars | \$22,000 |
| IRUCK | 15 | Ford | Used | 98,000 | \ | V | | \checkmark | 5 | | | \square | 5 Stars | \$15,000 |
| | 16 | Chevy | New | 24 | V | \checkmark | V | \checkmark | 5 | V | | V | 5 Stars | \$28,000 |
| | 17 | Kia | Used | 47,000 | V | | V | | 7 | | \square | | 5 Stars | \$22,000 |
| VAN | 18 | Dodge | New | 23 | \checkmark | \checkmark | V | \checkmark | 7 | V | | | 5 Stars | \$24,000 |
| VAN | 19 | Chrysler | New | 17 | V | V | V | \checkmark | 7 | V | | V | 5 Stars | \$25,000 |
| | 20 | Honda | New | 19 | V | \checkmark | | \checkmark | 7 | | | \square | 5 Stars | \$35,000 |

OBJECTIVE: Identify the vehicle you selected for this customer

Scenario #1:

- I need to purchase a vehicle.
- What is the best deal that you can offer me?
- I will be back at the end of the week to purchase the

vehicle?





POLL RESULTS

| | | | | | | | | | | | OPTIONS | | | |
|----------|----|----------|------|---------------|-----------------|--------------|------------------|--------------------|----------------|----------|--------------|--------------|---------|-----------|
| CATEGORY | | MAKE | TYPE | MILEAGE COLOR | | SEATS | BACKUP CAMERA | REMOVABLE SEATS | TOW PACKAGE | SAFETY | MSRP | | | |
| | | | | | W | В | R | S | | | | | | |
| | 1 | Kia | Used | 59,000 | | \checkmark | \checkmark | | 4 | | | | 5 Stars | \$14,000 |
| SEDAN | 2 | Honda | Used | 66,000 | V | V | V | \checkmark | 4 | | | | 5 Stars | \$16,000 |
| SEDAN | 3 | Ford | New | 11 | V | V | V | \checkmark | 4 | | | 4 | 5 Stars | \$21,000 |
| | 4 | Chevy | New | 13 | V | \checkmark | V | \checkmark | 4 | Ø | | | 5 Stars | \$23,000 |
| | 5 | Honda | Used | 39,000 | V | V | | V | 5 | | V | V | 5 Stars | \$19,000 |
| S U V | 6 | Toyota | New | 8 | | \checkmark | V | | 5 | V | | \checkmark | 5 Stars | \$29,000 |
| 300 | 7 | Dodge | New | 12 | $\overline{\ }$ | | | V | 7 | V | V | \checkmark | 5 Stars | \$29,000 |
| | 8 | Chevy | New | 6 | \checkmark | \checkmark | | \checkmark | 7 | V | ✓ | V | 5 Stars | \$38,000 |
| | 9 | Audi | New | 11 | V | V | V | \checkmark | 4 | V | V | V | 5 Stars | \$35,000 |
| LUVURV | 10 | BMW | New | 12 | V | \checkmark | V | \checkmark | 4 | V | \checkmark | | 5 Stars | \$60,000 |
| LUXURY | 11 | Porsche | New | 7 | V | V | V | | 2 | | | | 5 Stars | \$105,000 |
| | 12 | Ferrari | New | 2 | | | V | | 2 | | | | 5 Stars | \$125,000 |
| | 13 | Toyota | Used | 74,000 | V | V | | V | 3 | | | V | 5 Stars | \$18,000 |
| TRUCK | 14 | Dodge | New | 11 | V | \checkmark | | \checkmark | 5 | V | | \square | 5 Stars | \$22,000 |
| IRUCK | 15 | Ford | Used | 98,000 | \ | V | | \checkmark | 5 | | | \square | 5 Stars | \$15,000 |
| | 16 | Chevy | New | 24 | V | \checkmark | V | \checkmark | 5 | V | | V | 5 Stars | \$28,000 |
| | 17 | Kia | Used | 47,000 | V | | V | | 7 | | \square | | 5 Stars | \$22,000 |
| VAN | 18 | Dodge | New | 23 | \checkmark | \checkmark | V | \checkmark | 7 | V | | | 5 Stars | \$24,000 |
| VAN | 19 | Chrysler | New | 17 | V | V | V | \checkmark | 7 | V | | V | 5 Stars | \$25,000 |
| | 20 | Honda | New | 19 | V | \checkmark | | \checkmark | 7 | | | \square | 5 Stars | \$35,000 |

Most Common Feedback...

What does "best-deal" even mean?

• Open-ended SOW = free for fall, price-gauging, etc.

• Some teams will pick most expensive option / Others pick the cheapest

 Many teams are frustrated and annoyed and didn't really spend much effort?



Clarify Assumptions...

 The Salesperson can only offer 1 vehicle (cannot offer multiple options)

- The Salesperson really wants to make the deal
 - -(would rather not 'lose' the deal or see client purchase a vehicle from the dealer across the street)



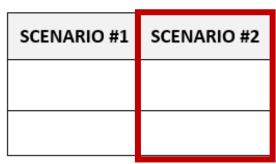
- Here are my expectations:
 - -Need a new vehicle, not used
 - Need 5-star safety rating
 - -Would like it to be black or silver
 - -Would like Back-Up Camera
 - Probably an SUV (3 kids plus 2 adults)

| | | | | | | | | | OPTIONS | | | | | |
|----------|----|----------|------|---------|----------|----------|----------|----------|---------|------------------|--------------------|----------------|---------|----------|
| CATEGORY | | MAKE | TYPE | MILEAGE | COLOR | | | | SEATS | BACKUP CAMERA | REMOVABLE SEATS | TOW PACKAGE | SAFETY | MSRP |
| | | | | | W | В | R | S | | | | | | |
| | 1 | Kia | Used | 59,000 | | ☑ | ✓ | | 4 | | | | 5 Stars | \$14,000 |
| SEDAN | 2 | Honda | Used | 66,000 | V | ☑ | V | V | 4 | | | | 5 Stars | \$16,000 |
| SEDAN | 3 | Ford | New | 11 | ✓ | ☑ | ✓ | ☑ | 4 | | | ✓ | 5 Stars | \$21,000 |
| | 4 | Chevy | New | 13 | V | ☑ | V | V | 4 | ☑ | | | 5 Stars | \$23,000 |
| | 5 | Honda | Used | 39,000 | ✓ | ☑ | | ☑ | 5 | ☑ | ☑ | ☑ | 5 Stars | \$19,000 |
| | 6 | Toyota | New | 8 | | ☑ | ✓ | | 5 | ☑ | | ₹ | 5 Stars | \$29,000 |
| | 7 | Dodge | New | 12 | ✓ | | | ✓ | 7 | ✓ | ✓ | ✓ | 5 Stars | \$29,000 |
| | 8 | Chevy | New | 6 | ✓ | ☑ | | V | 7 | ✓ | | ✓ | 5 Stars | \$38,000 |
| | 9 | Audi | New | 11 | V | V | V | V | 4 | ✓ | ☑ | V | 5 Stars | \$35,000 |
| LUXURY | 10 | BMW | New | 12 | ✓ | ☑ | ✓ | ☑ | 4 | ✓ | ☑ | | 5 Stars | \$60,000 |
| LUXUKT | 11 | Porsche | New | 7 | V | ☑ | V | | 2 | | | | 5 Stars | \$105,00 |
| | 12 | Ferrari | New | 2 | | | V | | 2 | | | | 5 Stars | \$125,00 |
| | 13 | Toyota | Used | 74,000 | V | ☑ | | V | 3 | ☑ | | ☑ | 5 Stars | \$18,000 |
| TRUCK | 14 | Dodge | New | 11 | V | ☑ | | V | 5 | ☑ | | ✓ | 5 Stars | \$22,000 |
| IRUCK | 15 | Ford | Used | 98,000 | V | ☑ | | V | 5 | | | ✓ | 5 Stars | \$15,000 |
| | 16 | Chevy | New | 24 | ☑ | ☑ | ☑ | V | 5 | ☑ | | ☑ | 5 Stars | \$28,000 |
| | 17 | Kia | Used | 47,000 | ✓ | | V | | 7 | ☑ | ☑ | V | 5 Stars | \$22,000 |
| N/ 0 N | 18 | Dodge | New | 23 | ✓ | ☑ | ✓ | ☑ | 7 | ☑ | | | 5 Stars | \$24,000 |
| VAN | 19 | Chrysler | New | 17 | ✓ | ☑ | ✓ | ☑ | 7 | ✓ | ☑ | ☑ | 5 Stars | \$25,000 |
| | 20 | Honda | New | 19 | ✓ | ☑ | | ☑ | 7 | ✓ | ✓ | ✓ | 5 Stars | \$35,00 |

Vehicles Selected (#):

Level of satisfaction with stated requirements (1-10)

(10 = Extremely Satisfied & 1 = Extremely Dissatisfied):





POLL RESULTS

| | | | | | | | | | | | OPTIONS | | | |
|----------|----|----------|------|---------------|-----------------|--------------|------------------|--------------------|----------------|----------|--------------|--------------|---------|-----------|
| CATEGORY | | MAKE | TYPE | MILEAGE COLOR | | SEATS | BACKUP CAMERA | REMOVABLE SEATS | TOW PACKAGE | SAFETY | MSRP | | | |
| | | | | | W | В | R | S | | | | | | |
| | 1 | Kia | Used | 59,000 | | \checkmark | \checkmark | | 4 | | | | 5 Stars | \$14,000 |
| SEDAN | 2 | Honda | Used | 66,000 | V | V | V | \checkmark | 4 | | | | 5 Stars | \$16,000 |
| SEDAN | 3 | Ford | New | 11 | V | V | V | \checkmark | 4 | | | 4 | 5 Stars | \$21,000 |
| | 4 | Chevy | New | 13 | V | \checkmark | V | \checkmark | 4 | Ø | | | 5 Stars | \$23,000 |
| | 5 | Honda | Used | 39,000 | V | V | | V | 5 | | V | V | 5 Stars | \$19,000 |
| S U V | 6 | Toyota | New | 8 | | \checkmark | V | | 5 | V | | \checkmark | 5 Stars | \$29,000 |
| 300 | 7 | Dodge | New | 12 | $\overline{\ }$ | | | V | 7 | V | V | \checkmark | 5 Stars | \$29,000 |
| | 8 | Chevy | New | 6 | \checkmark | \checkmark | | \checkmark | 7 | V | ✓ | V | 5 Stars | \$38,000 |
| | 9 | Audi | New | 11 | V | V | V | \checkmark | 4 | V | V | V | 5 Stars | \$35,000 |
| LUVURV | 10 | BMW | New | 12 | V | \checkmark | V | \checkmark | 4 | V | \checkmark | | 5 Stars | \$60,000 |
| LUXURY | 11 | Porsche | New | 7 | V | V | V | | 2 | | | | 5 Stars | \$105,000 |
| | 12 | Ferrari | New | 2 | | | V | | 2 | | | | 5 Stars | \$125,000 |
| | 13 | Toyota | Used | 74,000 | V | V | | V | 3 | | | V | 5 Stars | \$18,000 |
| TRUCK | 14 | Dodge | New | 11 | V | \checkmark | | \checkmark | 5 | V | | \square | 5 Stars | \$22,000 |
| IRUCK | 15 | Ford | Used | 98,000 | \ | V | | \checkmark | 5 | | | \square | 5 Stars | \$15,000 |
| | 16 | Chevy | New | 24 | V | \checkmark | V | \checkmark | 5 | V | | V | 5 Stars | \$28,000 |
| | 17 | Kia | Used | 47,000 | V | | V | | 7 | | \square | | 5 Stars | \$22,000 |
| VAN | 18 | Dodge | New | 23 | V | \checkmark | V | \checkmark | 7 | V | | | 5 Stars | \$24,000 |
| VAN | 19 | Chrysler | New | 17 | V | V | V | \checkmark | 7 | V | | V | 5 Stars | \$25,000 |
| | 20 | Honda | New | 19 | V | \checkmark | | \checkmark | 7 | | | \square | 5 Stars | \$35,000 |

Feedback...

- Most Common:
 - SUV Dodge @ \$29k
 - SUV Chevy @ \$38k
 - VAN: Dodge @ \$24k
 - VAN Chrysler @ \$25k
- Which cost option should the dealer pick (if you can only pick one)?
- It was clearly helpful to have more information?
- What was missing?



Feedback...

Be clear on your expectations:

- -Need a new vehicle, not used
- Need 5-star safety rating
- -Would like it to be black or silver
- -Would like Back-Up Camera
- -Probably an SUV (3 kids plus 2 adults)

Mandatory Requirements?

Desired Items?



Here are some of my expectations:

- Need a new vehicle, not used
- Need 5-star safety rating
- Do not want a red-colored vehicle
- -Would like Back-Up Camera
- Need at least 5 seats (3 kids plus 2 adults)
- -Must be able to go/take it camping in the forest
- -My maximum budget is \$27,000

| | | | | | | | | | | | OPTIONS | | | |
|-----------------------|-------|------------------|------|---------|----------|----------|----------|---|-------|------------------|--------------------|----------------|---------|-----------|
| CATEGORY | | MAKE | TYPE | MILEAGE | COLOR | | | | SEATS | BACKUP CAMERA | REMOVABLE SEATS | TOW PACKAGE | SAFETY | MSRP |
| | | | | | VV | В | К | 3 | | | | | | |
| | 1 | Kia | Used | 59,000 | | ☑ | N | | 4 | | | | 5 Stars | \$14,000 |
| SEDAN | 2 | Honda | Used | 66,000 | ✓ | ☑ | ✓ | ☑ | 4 | | | | 5 Stars | \$16,000 |
| SEDAN | 3 | Ford | New | 11 | V | ☑ | N | V | 4 | | | ✓ | 5 Stars | \$21,000 |
| | 4 | Chevy | New | 13 | ✓ | Ø | ☑ | ☑ | 4 | ☑ | | | 5 Stars | \$23,000 |
| | | | | | ☑ | ☑ | | ☑ | | Ø | Ø | ☑ | | 4 |
| | 5 | Honda | Used | 39,000 | ¥ | | 1 | ¥ | 5 | _ | ¥. | | 5 Stars | \$19,000 |
| SUV | 6 | Toyota | New | 8 | _ | ☑ | ☑ | | 5 | ☑ | | ☑ | 5 Stars | \$29,000 |
| | 7 | Dodge | New | 12 | ✓ | | | ☑ | 7 | ☑ | ✓ | ✓ | 5 Stars | \$29,000 |
| | 8 | Chevy | New | 6 | ✓ | ☑ | | ✓ | 7 | ✓ | ☑ | ✓ | 5 Stars | \$38,000 |
| | 9 | Audi | New | 11 | V | V | ✓ | ✓ | 4 | ✓ | Ø | V | 5 Stars | \$35,000 |
| | 10 | BMW | New | 12 | V | ☑ |] | M | 4 | Ø | M | | 5 Stars | \$60,000 |
| LUXURY | 11 | Porsche | New | 7 | <u> </u> | ☑ |] [S | | 2 | | | | 5 Stars | \$105.000 |
| | 12 | Ferrari | New | 2 | - | | <u> </u> | | 2 | | | | 5 Stars | \$125,000 |
| | 12 | reman | ivew | - 2 | _ | _ | | | 2 | | | | J Stars | \$123,000 |
| | 13 | Toyota | Used | 74,000 | ✓ | ☑ | | ☑ | 3 | ☑ | | ☑ | 5 Stars | \$18,000 |
| TRUCK | 14 | Dodge | New | 11 | V | ☑ | | ☑ | 5 | ☑ | | ✓ | 5 Stars | \$22,000 |
| IRUCK | 15 | Ford | Used | 98,000 | V | ☑ | | V | 5 | | | ✓ | 5 Stars | \$15,000 |
| | 16 | Chevy | New | 24 | V | ☑ | N | V | 5 | ☑ | | ✓ | 5 Stars | \$28,000 |
| | 47 | Kia | 114 | 47.000 | V | | V | | 7 | Ø | M | 7 | 5 Stars | ć22.000 |
| | 17 | | Used | 47,000 | V | ☑ | V | M | | N. | ⊻ | ₩ | | \$22,000 |
| VAN | 18 | Dodge | New | 23 | _ | _ | V | V | 7 | V | ☑ | V | 5 Stars | \$24,000 |
| | 19 | Chrysler | New | 17 | V | Ø | M | _ | 7 | _ | _ | | 5 Stars | \$25,000 |
| | 20 | Honda | New | 19 | ✓ | ☑ | | ✓ | 7 | ✓ | ☑ | ☑ | 5 Stars | \$35,000 |
| W = White B = Black | R = F | Red S = Silver | | | | | | | | | | | | |

| | SCENARIO #1 | SCENARIO #2 | SCENARIO #3 |
|---|-------------|-------------|-------------|
| Vehicles Selected (#): | | | |
| of satisfaction with stated requirements (1-10) (10 = Extremely Satisfied & 1 = Extremely Dissatisfied): | | | |



POLL RESULTS

| | | | | | | | | | | | OPTIONS | | | |
|----------|----|----------|------|---------|-----------------|--------------|--------------|--------------|-------|------------------|--------------------|----------------|---------|-----------|
| CATEGORY | | MAKE | TYPE | MILEAGE | 14/ | col | | • | SEATS | BACKUP CAMERA | REMOVABLE SEATS | TOW PACKAGE | SAFETY | MSRP |
| | | | | | W | В | R | S | | | | | | |
| | 1 | Kia | Used | 59,000 | | \checkmark | \checkmark | | 4 | | | | 5 Stars | \$14,000 |
| SEDAN | 2 | Honda | Used | 66,000 | V | V | V | \checkmark | 4 | | | | 5 Stars | \$16,000 |
| SEDAN | 3 | Ford | New | 11 | V | V | V | \checkmark | 4 | | | 4 | 5 Stars | \$21,000 |
| | 4 | Chevy | New | 13 | V | \checkmark | V | \checkmark | 4 | Ø | | | 5 Stars | \$23,000 |
| | 5 | Honda | Used | 39,000 | V | V | | V | 5 | | V | V | 5 Stars | \$19,000 |
| S U V | 6 | Toyota | New | 8 | | \checkmark | V | | 5 | V | | \checkmark | 5 Stars | \$29,000 |
| 300 | 7 | Dodge | New | 12 | $\overline{\ }$ | | | V | 7 | V | V | \checkmark | 5 Stars | \$29,000 |
| | 8 | Chevy | New | 6 | \checkmark | \checkmark | | \checkmark | 7 | V | ✓ | V | 5 Stars | \$38,000 |
| | 9 | Audi | New | 11 | V | V | V | \checkmark | 4 | V | V | V | 5 Stars | \$35,000 |
| LUVURV | 10 | BMW | New | 12 | V | \checkmark | V | \checkmark | 4 | V | \checkmark | | 5 Stars | \$60,000 |
| LUXURY | 11 | Porsche | New | 7 | V | V | V | | 2 | | | | 5 Stars | \$105,000 |
| | 12 | Ferrari | New | 2 | | | V | | 2 | | | | 5 Stars | \$125,000 |
| | 13 | Toyota | Used | 74,000 | V | V | | V | 3 | | | V | 5 Stars | \$18,000 |
| TRUCK | 14 | Dodge | New | 11 | V | \checkmark | | \checkmark | 5 | V | | \square | 5 Stars | \$22,000 |
| IRUCK | 15 | Ford | Used | 98,000 | \ | V | | \checkmark | 5 | | | \square | 5 Stars | \$15,000 |
| | 16 | Chevy | New | 24 | V | \checkmark | V | \checkmark | 5 | V | | V | 5 Stars | \$28,000 |
| | 17 | Kia | Used | 47,000 | V | | V | | 7 | | \square | | 5 Stars | \$22,000 |
| VAN | 18 | Dodge | New | 23 | V | \checkmark | V | \checkmark | 7 | V | | | 5 Stars | \$24,000 |
| VAN | 19 | Chrysler | New | 17 | V | V | V | \checkmark | 7 | V | | V | 5 Stars | \$25,000 |
| | 20 | Honda | New | 19 | V | \checkmark | | \checkmark | 7 | | | \square | 5 Stars | \$35,000 |

Discussion

Was it helpful to have the budget?

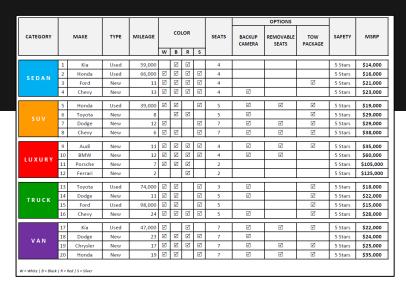
Was it helpful to know the purpose/goals/objectives of the vehicle?

Need a new vehicle, not used
Need 5-star safety rating
Do not want a red-colored vehicle
Would like Back-Up Camera
Need at least 5 seats (3 kids plus 2 adults)
Must be able to go/take it camping in the forest
My maximum budget is \$27,000



Here are some of my expectations:

- Prefer a new vehicle, not used
- Would like a 5-star safety rating
- Would prefer a red vehicle
- Would prefer a sedan or SUV
- I plan to use the vehicle to take my small boat to the lake on occasion
- I generally only have 1-2 people in the vehicle, but may have a few more when going to the lake
- Do not want a van
- A maximum budget of \$75,000





POLL RESULTS

| | | | | | | | | | | | OPTIONS | | | |
|----------|----|----------|------|---------|-----------------|--------------|--------------|--------------|-------|------------------|--------------------|----------------|---------|-----------|
| CATEGORY | | MAKE | TYPE | MILEAGE | 14/ | col | | • | SEATS | BACKUP CAMERA | REMOVABLE SEATS | TOW PACKAGE | SAFETY | MSRP |
| | | | | | W | В | R | S | | | | | | |
| | 1 | Kia | Used | 59,000 | | \checkmark | \checkmark | | 4 | | | | 5 Stars | \$14,000 |
| SEDAN | 2 | Honda | Used | 66,000 | V | V | V | \checkmark | 4 | | | | 5 Stars | \$16,000 |
| SEDAN | 3 | Ford | New | 11 | V | V | V | \checkmark | 4 | | | 4 | 5 Stars | \$21,000 |
| | 4 | Chevy | New | 13 | V | \checkmark | V | \checkmark | 4 | Ø | | | 5 Stars | \$23,000 |
| | 5 | Honda | Used | 39,000 | V | V | | V | 5 | | V | V | 5 Stars | \$19,000 |
| S U V | 6 | Toyota | New | 8 | | \checkmark | V | | 5 | V | | \checkmark | 5 Stars | \$29,000 |
| 300 | 7 | Dodge | New | 12 | $\overline{\ }$ | | | V | 7 | V | V | \checkmark | 5 Stars | \$29,000 |
| | 8 | Chevy | New | 6 | \checkmark | \checkmark | | \checkmark | 7 | V | ✓ | V | 5 Stars | \$38,000 |
| | 9 | Audi | New | 11 | V | V | V | \checkmark | 4 | V | V | V | 5 Stars | \$35,000 |
| LUVURV | 10 | BMW | New | 12 | V | \checkmark | V | \checkmark | 4 | V | \checkmark | | 5 Stars | \$60,000 |
| LUXURY | 11 | Porsche | New | 7 | V | V | V | | 2 | | | | 5 Stars | \$105,000 |
| | 12 | Ferrari | New | 2 | | | V | | 2 | | | | 5 Stars | \$125,000 |
| | 13 | Toyota | Used | 74,000 | V | V | | V | 3 | | | V | 5 Stars | \$18,000 |
| TRUCK | 14 | Dodge | New | 11 | V | \checkmark | | \checkmark | 5 | V | | \square | 5 Stars | \$22,000 |
| IRUCK | 15 | Ford | Used | 98,000 | \ | V | | \checkmark | 5 | | | \square | 5 Stars | \$15,000 |
| | 16 | Chevy | New | 24 | V | \checkmark | V | \checkmark | 5 | V | | V | 5 Stars | \$28,000 |
| | 17 | Kia | Used | 47,000 | V | | V | | 7 | | \square | | 5 Stars | \$22,000 |
| VAN | 18 | Dodge | New | 23 | V | \checkmark | V | \checkmark | 7 | V | | | 5 Stars | \$24,000 |
| VAN | 19 | Chrysler | New | 17 | V | V | V | \checkmark | 7 | V | | V | 5 Stars | \$25,000 |
| | 20 | Honda | New | 19 | V | \checkmark | | \checkmark | 7 | | | \square | 5 Stars | \$35,000 |

Here are some of my expectations:

- Need a truck
- Must be a new vehicle (not used)
- I will be using this to tow my construction trailer
- Must have back-up camera
- Would prefer a lighter color (white or silver)
- I have a maximum budget of \$20,000

| | | | | MILEAGE | | | | | | | OPTIONS | | | |
|----------|----|----------|------|---------|----------|----------|----------|----------|-------|------------------|--------------------|----------------|---------|---------|
| CATEGORY | | MAKE | TYPE | | COLOR | | | | SEATS | BACKUP CAMERA | REMOVABLE SEATS | TOW PACKAGE | SAFETY | MSRP |
| | | | | | W | В | R | S | | | | | | |
| | 1 | Kia | Used | 59,000 | | V | V | | 4 | | | | 5 Stars | \$14,00 |
| SEDAN | 2 | Honda | Used | 66,000 | ☑ | ☑ | ✓ | ☑ | 4 | | | | 5 Stars | \$16,00 |
| SEDAN | 3 | Ford | New | 11 | ☑ | ☑ | V | N | 4 | | | ✓ | 5 Stars | \$21,00 |
| | 4 | Chevy | New | 13 | ☑ | V | ☑ | Ø | 4 | ✓ | | | 5 Stars | \$23,00 |
| | 5 | Honda | Used | 39,000 | ☑ | Ø | | V | 5 | ☑ | ☑ | ☑ | 5 Stars | \$19,00 |
| SUV | 6 | Toyota | New | 8 | | ☑ | V | | 5 | ✓ | | ✓ | 5 Stars | \$29,00 |
| SUV | 7 | Dodge | New | 12 | ☑ | | | ✓ | 7 | ✓ | ✓ | ✓ | 5 Stars | \$29,00 |
| | 8 | Chevy | New | 6 | ✓ | V | | ✓ | 7 | ✓ | ☑ | ☑ | 5 Stars | \$38,00 |
| | 9 | Audi | New | 11 | V | V | V | V | 4 | ✓ | ☑ | ✓ | 5 Stars | \$35,00 |
| LUXURY | 10 | BMW | New | 12 | ☑ | ☑ | ✓ | ☑ | 4 | ✓ | ☑ | | 5 Stars | \$60,00 |
| LUXUKY | 11 | Porsche | New | 7 | ☑ | ☑ | ✓ | | 2 | | | | 5 Stars | \$105,0 |
| | 12 | Ferrari | New | 2 | | | ☑ | | 2 | | | | 5 Stars | \$125,0 |
| | 13 | Toyota | Used | 74,000 | ☑ | Ø | | ☑ | 3 | ☑ | | ☑ | 5 Stars | \$18,00 |
| TRUCK | 14 | Dodge | New | 11 | ☑ | ☑ | | V | 5 | ✓ | | ✓ | 5 Stars | \$22,00 |
| INOCK | 15 | Ford | Used | 98,000 | ✓ | ☑ | | N | 5 | | | ✓ | 5 Stars | \$15,00 |
| | 16 | Chevy | New | 24 | ☑ | ☑ | ☑ | ☑ | 5 | ☑ | | ☑ | 5 Stars | \$28,00 |
| | 17 | Kia | Used | 47,000 | ✓ | | V | | 7 | ✓ | ☑ | ☑ | 5 Stars | \$22,00 |
| V A N | 18 | Dodge | New | 23 | ☑ | Ø | ☑ | Ø | 7 | ✓ | | | 5 Stars | \$24,00 |
| VAN 1 | 19 | Chrysler | New | 17 | ☑ | ☑ | V | N | 7 | ✓ | V | | 5 Stars | \$25,00 |
| | 20 | Honda | New | 19 | ✓ | ☑ | | V | 7 | ☑ | ✓ | ✓ | 5 Stars | \$35,00 |



POLL RESULTS

| | | | | | | | | | | | OPTIONS | | | |
|----------|----|----------|------|---------|-----------------|--------------|--------------|--------------|-------|------------------|--------------------|----------------|---------|-----------|
| CATEGORY | | MAKE | TYPE | MILEAGE | 14/ | col | | • | SEATS | BACKUP CAMERA | REMOVABLE SEATS | TOW PACKAGE | SAFETY | MSRP |
| | | | | | W | В | R | S | | | | | | |
| | 1 | Kia | Used | 59,000 | | \checkmark | \checkmark | | 4 | | | | 5 Stars | \$14,000 |
| SEDAN | 2 | Honda | Used | 66,000 | V | V | V | \checkmark | 4 | | | | 5 Stars | \$16,000 |
| SEDAN | 3 | Ford | New | 11 | V | V | V | \checkmark | 4 | | | 4 | 5 Stars | \$21,000 |
| | 4 | Chevy | New | 13 | V | \checkmark | V | \checkmark | 4 | Ø | | | 5 Stars | \$23,000 |
| | 5 | Honda | Used | 39,000 | V | V | | V | 5 | V | V | V | 5 Stars | \$19,000 |
| S U V | 6 | Toyota | New | 8 | | \checkmark | V | | 5 | V | | \checkmark | 5 Stars | \$29,000 |
| 300 | 7 | Dodge | New | 12 | $\overline{\ }$ | | | V | 7 | V | V | \checkmark | 5 Stars | \$29,000 |
| | 8 | Chevy | New | 6 | \checkmark | \checkmark | | \checkmark | 7 | V | ✓ | V | 5 Stars | \$38,000 |
| | 9 | Audi | New | 11 | V | V | V | \checkmark | 4 | V | V | V | 5 Stars | \$35,000 |
| LUVURV | 10 | BMW | New | 12 | V | \checkmark | V | \checkmark | 4 | V | \checkmark | | 5 Stars | \$60,000 |
| LUXURY | 11 | Porsche | New | 7 | V | V | V | | 2 | | | | 5 Stars | \$105,000 |
| | 12 | Ferrari | New | 2 | | | V | | 2 | | | | 5 Stars | \$125,000 |
| | 13 | Toyota | Used | 74,000 | V | V | | V | 3 | | | V | 5 Stars | \$18,000 |
| TRUCK | 14 | Dodge | New | 11 | V | \checkmark | | \checkmark | 5 | V | | \square | 5 Stars | \$22,000 |
| IRUCK | 15 | Ford | Used | 98,000 | \ | V | | \checkmark | 5 | | | \square | 5 Stars | \$15,000 |
| | 16 | Chevy | New | 24 | V | \checkmark | V | \checkmark | 5 | V | | V | 5 Stars | \$28,000 |
| | 17 | Kia | Used | 47,000 | V | | V | | 7 | | \square | | 5 Stars | \$22,000 |
| VAN | 18 | Dodge | New | 23 | V | \checkmark | V | \checkmark | 7 | V | | | 5 Stars | \$24,000 |
| VAN | 19 | Chrysler | New | 17 | V | V | V | \checkmark | 7 | V | | V | 5 Stars | \$25,000 |
| | 20 | Honda | New | 19 | V | \checkmark | | \checkmark | 7 | | | \square | 5 Stars | \$35,000 |

Discussion

Does client have enough money to meet all expectations?

What are the options?

What would happen if you didn't release the budget?



Here are some of my expectations:

- Must be a Nissan Truck
- Must have a tow package
- Must have back-up camera
- Must be white
- I have a maximum budget of \$30,000

| | | | | MILEAGE | | | | | | | OPTIONS | | | |
|----------|----|----------|------|---------|----------|----------|----------|----------|-------|------------------|--------------------|----------------|---------|---------|
| CATEGORY | | MAKE | TYPE | | COLOR | | | | SEATS | BACKUP CAMERA | REMOVABLE SEATS | TOW PACKAGE | SAFETY | MSRP |
| | | | | | W | В | R | S | | | | | | |
| | 1 | Kia | Used | 59,000 | | V | V | | 4 | | | | 5 Stars | \$14,00 |
| SEDAN | 2 | Honda | Used | 66,000 | ☑ | ☑ | ✓ | ☑ | 4 | | | | 5 Stars | \$16,00 |
| SEDAN | 3 | Ford | New | 11 | ☑ | ☑ | V | N | 4 | | | ✓ | 5 Stars | \$21,00 |
| | 4 | Chevy | New | 13 | ☑ | V | ☑ | Ø | 4 | ✓ | | | 5 Stars | \$23,00 |
| | 5 | Honda | Used | 39,000 | ☑ | Ø | | V | 5 | ☑ | ☑ | ☑ | 5 Stars | \$19,00 |
| SUV | 6 | Toyota | New | 8 | | ☑ | V | | 5 | ✓ | | ✓ | 5 Stars | \$29,00 |
| SUV | 7 | Dodge | New | 12 | ☑ | | | ✓ | 7 | ✓ | ✓ | ✓ | 5 Stars | \$29,00 |
| | 8 | Chevy | New | 6 | ✓ | V | | ✓ | 7 | ✓ | ☑ | ☑ | 5 Stars | \$38,00 |
| | 9 | Audi | New | 11 | V | V | V | V | 4 | ✓ | ☑ | ✓ | 5 Stars | \$35,00 |
| LUXURY | 10 | BMW | New | 12 | ☑ | ☑ | ✓ | ☑ | 4 | ✓ | ☑ | | 5 Stars | \$60,00 |
| LUXUKY | 11 | Porsche | New | 7 | ☑ | ☑ | ✓ | | 2 | | | | 5 Stars | \$105,0 |
| | 12 | Ferrari | New | 2 | | | ☑ | | 2 | | | | 5 Stars | \$125,0 |
| | 13 | Toyota | Used | 74,000 | ☑ | Ø | | ☑ | 3 | ☑ | | ☑ | 5 Stars | \$18,00 |
| TRUCK | 14 | Dodge | New | 11 | ☑ | ☑ | | V | 5 | ✓ | | ✓ | 5 Stars | \$22,00 |
| INOCK | 15 | Ford | Used | 98,000 | ✓ | ☑ | | N | 5 | | | ✓ | 5 Stars | \$15,00 |
| | 16 | Chevy | New | 24 | ☑ | ☑ | ☑ | ☑ | 5 | ☑ | | ☑ | 5 Stars | \$28,00 |
| | 17 | Kia | Used | 47,000 | ✓ | | V | | 7 | ✓ | ☑ | ☑ | 5 Stars | \$22,00 |
| V A N | 18 | Dodge | New | 23 | ☑ | Ø | ☑ | Ø | 7 | ✓ | | | 5 Stars | \$24,00 |
| VAN 1 | 19 | Chrysler | New | 17 | ☑ | ☑ | V | N | 7 | ✓ | V | | 5 Stars | \$25,00 |
| | 20 | Honda | New | 19 | ✓ | ☑ | | V | 7 | ☑ | ✓ | ✓ | 5 Stars | \$35,00 |



POLL RESULTS

| | MAKE | | TYPE | MILEAGE | COLOR | | | | SEATS | OPTIONS | | | | |
|----------|------|----------|------|---------|-----------------|--------------|-------------------------|--------------|-------|------------------|--------------------|----------------|---------|-----------|
| CATEGORY | | | | | | | | • | | BACKUP CAMERA | REMOVABLE SEATS | TOW PACKAGE | SAFETY | MSRP |
| | | | | | W | В | R | S | | | | | | |
| SEDAN | 1 | Kia | Used | 59,000 | | \checkmark | \checkmark | | 4 | | | | 5 Stars | \$14,000 |
| | 2 | Honda | Used | 66,000 | V | V | V | \checkmark | 4 | | | | 5 Stars | \$16,000 |
| | 3 | Ford | New | 11 | V | V | V | \checkmark | 4 | | | 4 | 5 Stars | \$21,000 |
| | 4 | Chevy | New | 13 | V | \checkmark | V | \checkmark | 4 | Ø | | | 5 Stars | \$23,000 |
| SUV | 5 | Honda | Used | 39,000 | V | V | | V | 5 | | V | V | 5 Stars | \$19,000 |
| | 6 | Toyota | New | 8 | | \checkmark | V | | 5 | V | | \checkmark | 5 Stars | \$29,000 |
| 300 | 7 | Dodge | New | 12 | $\overline{\ }$ | | | V | 7 | V | V | \checkmark | 5 Stars | \$29,000 |
| | 8 | Chevy | New | 6 | \checkmark | \checkmark | | \checkmark | 7 | V | ✓ | V | 5 Stars | \$38,000 |
| LUXURY | 9 | Audi | New | 11 | V | V | V | \checkmark | 4 | V | V | V | 5 Stars | \$35,000 |
| | 10 | BMW | New | 12 | V | \checkmark | V | \checkmark | 4 | V | \checkmark | | 5 Stars | \$60,000 |
| | 11 | Porsche | New | 7 | V | V | V | | 2 | | | | 5 Stars | \$105,000 |
| | 12 | Ferrari | New | 2 | | | V | | 2 | | | | 5 Stars | \$125,000 |
| TRUCK | 13 | Toyota | Used | 74,000 | V | V | | V | 3 | | | V | 5 Stars | \$18,000 |
| | 14 | Dodge | New | 11 | \checkmark | \checkmark | | \checkmark | 5 | V | | 4 | 5 Stars | \$22,000 |
| | 15 | Ford | Used | 98,000 | \ | V | | \checkmark | 5 | | | \square | 5 Stars | \$15,000 |
| | 16 | Chevy | New | 24 | V | \checkmark | V | \checkmark | 5 | V | | V | 5 Stars | \$28,000 |
| VAN | 17 | Kia | Used | 47,000 | V | | V | | 7 | | \square | | 5 Stars | \$22,000 |
| | 18 | Dodge | New | 23 | \checkmark | \checkmark | $\overline{\mathbf{V}}$ | \checkmark | 7 | V | | | 5 Stars | \$24,000 |
| | 19 | Chrysler | New | 17 | V | V | V | \checkmark | 7 | V | | V | 5 Stars | \$25,000 |
| | 20 | Honda | New | 19 | V | \checkmark | | \checkmark | 7 | | | \square | 5 Stars | \$35,000 |

Discussion

Would this be acceptable in Public Procurement?

 Cannot specify a product (unless there is clear justification), must allow "or-equal"



SCENARIO #7

- I need to purchase a vehicle. I would like you to identify the best deal you can provide for a vehicle? Here are some of my expectations:
 - The vehicle must come with synthetic engine oil
 - The vehicle must have windshield wipers
 - I was born in May
 - I have 3 younger brothers
 - My brothers live in the same State
 - I work for an IT company
 - I would like a new car, not used
 - I generally work 40-45 hours per week
 - I really like my current vehicle
 - I get headaches from the smell of cigarettes
 - Do you think I need a tow package
 - My house has really cool carpet
 - I do not want a red or yellow vehicle
 - I have set aside extra funds for the 'right' vehicle
 - Vehicle must have a 4-speed automatic or better
 - The vehicle should get great MPG

- Vehicle must come with 2 sets of keys
- Vehicle must come with full tank of gas
- I am open to any color vehicle
- I've never been camping
- How do you take a shower in the forest?
- If I get a vehicle, is 5-star better than 4?
- Would like to purchase by end of the week
- Would really like a luxury sedan
- I think SUV's are really cool
- I currently drive a 4-door sedan
- I really like Thai food, but not sushi
- My maximum budget is \$29,000
- The vehicle must have Firestone tires
- The vehicle should have chrome wheels
- Would like the vehicle to have tinted windows
- The vehicle must have great lights for night driving

POLL RESULTS

Discrepancies

- I need to purchase a vehicle. I would like you to identify the best deal you can provide for a vehicle? Here are some of my expectations:
 - The vehicle must come with synthetic engine oil
 - The vehicle must have windshield wipers
 - I was born in May
 - I have 3 younger brothers
 - My brothers live in the same State
 - I work for an IT company
 - I would like a new car, not used
 - I generally work 40-45 hours per week
 - I really like my current vehicle
 - I get headaches from the smell of cigarettes
 - Do you think I need a tow package
 - My house has really cool carpet
 - I do not want a red or yellow vehicle
 - I have set aside extra funds for the 'right' vehicle
 - Vehicle must have a 4-speed automatic or better
 - The vehicle should get great MPG

- Vehicle must come with 2 sets of keys
- Vehicle must come with full tank of gas
- I am open to any color vehicle
- I've never been camping
- How do you take a shower in the forest?
- If I get a vehicle, is 5-star better than 4?
- Would like to purchase by end of the week
- Would really like a luxury sedan
- I think SUV's are really cool
- I currently drive a 4-door sedan
- I really like Thai food, but not sushi
- My maximum budget is \$29,000
- The vehicle must have Firestone tires
- The vehicle should have chrome wheels
- Would like the vehicle to have tinted windows
- The vehicle must have great lights for night driving

Discrepancies

- I need to purchase a vehicle. I would like you to identify the best deal you can provide for a vehicle? Here are some of my expectations:
 - The vehicle must come with synthetic engine oil
 - The vehicle must have windshield wipers
 - I was born in May
 - I have 3 younger brothers
 - My brothers live in the same State
 - I work for an IT company
 - I would like a new car, not used
 - I generally work 40-45 hours per week
 - I really like my current vehicle
 - I get headaches from the smell of cigarettes
 - Do you think I need a tow package
 - My house has really cool carpet
 - I do not want a red or yellow vehicle
 - I have set aside extra funds for the 'right' vehicle
 - Vehicle must have a 4-speed automatic or better
 - The vehicle should get great MPG

- Vehicle must come with 2 sets of keys
- Vehicle must come with full tank of gas
- I am open to any color vehicle
- I've never been camping
- How do you take a shower in the forest?
- If I get a vehicle, is 5-star better than 4?
- Would like to purchase by end of the week
- Would really like a luxury sedan
- I think SUV's are really cool
- I currently drive a 4-door sedan
- I really like Thai food, but not sushi
- My maximum budget is \$29,000
- The vehicle must have Firestone tires
- The vehicle should have chrome wheels
- Would like the vehicle to have tinted windows
- The vehicle must have great lights for night driving

Discussion

Is providing more information in the Statement always better?

What happens if your requirements accidentally conflict?



General Feedback...

Most common requests from the Dealerships:

- Budget
- Schedule
- Background about intended use or purpose (family, luxury, work truck, etc.)
- Technical requirements



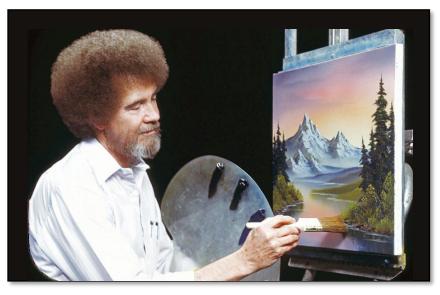
Key Takeaways



Common Responses...

- Quality of Statement impacts level of vendor frustration/satisfaction
- Quality of Statement impacts how much time & effort vendors spend
- Budget is critical
- Purpose is just as important as technical specs
- Not enough information can frustrate vendors
- Too much information can be just as bad
- All you need is for one vendor to be honest, to get the best deal

The Goal of the SOW



- Paint the picture of what success looks like
- Describe what it will take to make you 100% satisfied (what are the outcomes & achievements)
- A good SOW assures that all of the vendors propose a proper solution (that meets your needs)



Content & Structure of a High-Performing Statement of Work



Statement of Work

- 1 Overview & Purpose
- 2 Future State
- 3 Itemized Requirements
- 4 Schedule & Budget
- 5 Unique Considerations



Important in all areas of the SOW + CC









Statement of Work

- 1 Overview & Purpose
- 2 Future State
- 3 Itemized Requirements
- 4 Schedule & Budget
- 5 Unique Considerations

Concisely Describe "What" & "Why"



Content & Structure of a High-Performing SOW Overview & Purpose

 Project Overview: high-level summary that is easily understandable (1-2 sentences up to 1-2 paragraphs max)



Overview & Purpose

- Project Overview: high-level summary that is easily understandable (1-2 sentences up to 1-2 paragraphs max)
 - Avoid technical language, jargon, details, or specifics.



Overview & Purpose

- Project Overview: high-level summary that is easily understandable (1-2 sentences up to 1-2 paragraphs max)
 - Avoid technical language, jargon, details, or specifics.
- Goals, Objectives & Motivation: primary business drivers and purpose



Goals or Objectives

• Install a new shingles on my roof....or waterproof my building?





Overview & Purpose

- Project Overview: high-level summary that is easily understandable (1-2 sentences up to 1-2 paragraphs max)
 - Avoid technical language, jargon, details, or specifics.
- Goals, Objectives & Motivation: primary business drivers and purpose
- Key Measures of Success: top 3-5 quantifiable metrics (cost, time, quality, functionality)



Key Measures of Success

- Key Measures of Success: top 3-5 quantifiable metrics (cost, time, quality, functionality)
- Difficult for Business Units to do!
 - They often focus on activities rather than outcomes.
 - Takes intense questioning.



Organizing a High-Performing RFP

RFP

Request for Proposal



Information Technology (IT)
Software Implementation Template

RFP Number: ####

RFP Release Date: MM/DD/YYYY RFP Due Date: MM/DD/YYYY

Statement of Work

2 Current Conditions

What the Client is Purchasing

Proposal Requirements

4 Evaluation Procedures

Administrative Requirements

6 Proposal Forms

Attachments & Exhibits

Overview & Purpose are right up front, so must be easy to find & understand!

Center for Procurement Exceller

Statement of Work

- 1 Overview & Purpose
- **2** Future State
- 3 Itemized Requirements
- 4 Schedule & Budget
- 5 Unique Considerations

Departures from Current Conditions



Content & Structure of a High-Performing SOW Future State

- Describe each of the deliverables/services to be provided by the selected vendor for this Statement of work
- Describe the minimum requirements that must be performed to achieve a 100% satisfaction
- Attach exhibits to make this easier to follow (i.e. drawings, specs, pictures, site plans, etc.)



Future State

- Overview: clear, concise, & easily understandable description
- Project Deliverables: tangible outcomes to be produced by vendor
- Figures, Diagrams, & References: supporting explanation
- Transition/Migration: efforts to bring legacy data forward



Statement of Work

- 1 Overview & Purpose
- 2 Future State
- **3** Itemized Requirements
- 4 Schedule & Budget
- 5 Unique Considerations

Mandatory & Desired Items



Content & Structure of a High-Performing SOW Itemized Requirements

Organization:

- Itemized
- Organized into major categories
- Attach (and reference) Exhibits to make this easier to follow (i.e. drawings, specs, pictures, diagrams, site plans, reference files, etc.)
- Do <u>NOT</u> need a written commentary for each requirement



Itemized Requirements

Drawings & Specs (Construction)
 Requirements (IT/Software)



| ID | Requirement | Requirement | | |
|------|-------------------------|-------------|---------------------|---|
| Num | Area | Subcategory | Requirement Name | Requirement |
| 5402 | System and | Workflow | Approval / Denial | System shall provide ability to define multiple approval levels for electronic transactions / |
| | Technical | | | documents / business events processing. |
| 5403 | System and | Workflow | Approval / Denial | System shall provide ability to restrict processing of electronic transactions / documents / |
| | Technical | | | business events until they pass all required approval levels. |
| 5404 | System and | Workflow | Approval / Denial | System shall provide ability to set up Approver Groups associated with electronic transaction / |
| | Technical | | | document / business event processing. |
| 5405 | System and | Workflow | Approval / Denial | System shall provide the ability to define a unique approval process for each user and type of |
| | Technical | | | document/business event. |
| 5406 | System and | Workflow | Approval / Denial | System shall provide the ability to specify multiple approvers for a document/business event |
| | Technical | | | where only one of the approvers listed must approve the document in order to consider the |
| | L | | | document approved. |
| 5407 | System and Technical | Workflow | Audit Trail | System shall provide an audit trail of all adds, changes, and deletes to workflow rules. |
| 5408 | System and | Workflow | General | System shall ensure that any transaction, document or business event entered into the on-line |
| | Technical | | | system is reviewable prior to its saving / processing / commitment. |
| 5409 | System and | Workflow | General | System shall provide the ability to reverse / unwind processed transactions, documents and |
| | Technical | | | business events. |
| 5410 | System and | Workflow | General | System shall permit a minimum of 10 levels of approval that may be established for each type |
| | Technical | | | of electronic document/business event. |
| 5411 | System and | Workflow | General | System shall allow all authorized users to see the approval status of a document/business |
| | Technical | | | event. |
| 5412 | System and | Workflow | General | System shall assure that an employee is removed from and added to the workflow process |
| | Technical | | | based on qualifying events (e.g., termination from or appointment to agency, or transfer to |
| | | | | another organization entity within the agency). |
| 5413 | System and | Workflow | General | If a user modifies an electronic document/business event, the system shall allow approvals to |
| | Technical | | | be reprocessed in accordance with business rules. |
| 5414 | System and | Workflow | General | System shall provide the ability to search/retrieve documents/records based upon user defined |
| F445 | Technical | 14/ 10 | N. CE. C | criteria. |
| 5415 | System and | Workflow | Notification | System shall include a workflow process, with notification options, for business events and |
| 5440 | Technical | | N. 115 11 | documents. |
| 5416 | System and | Workflow | Notification | System shall provide the ability to re-route transaction/document/business event for approval |
| | Technical | | | based upon user defined criteria such as dollar thresholds or random selection for statistical |
| E447 | Combana and | Markfla | Natification | sampling purposes. |
| 5417 | System and | Workflow | Notification | System electronic document management function shall be integrated with the State's |
| | Technical | | | electronic mail system or provide other means to alert "reviewer" of documents awaiting |
| E440 | Contant and | Market | Tarabina Danus | approval. |
| 5418 | System and | Workflow | racking Document(s) | System shall provide ability to track (e.g., identify, record, inquire, report) the progress of |
| | Technical | | | electronic transactions / documents / business events. |



Content & Structure of a High-Performing SOW Itemized Requirements

- Mandatory Requirements (minimum, pass/fail):
 - vendors MUST meet these or be disqualified. itemized, organized, and categorized
- Desired Requirements (value proposition):
 - vendors NOT disqualified for missing any individual item.
 - But the Client's goal is to <u>achieve as many as possible</u>. itemized, organized, and categorized



Statement of Work

- 1 Overview & Purpose
- 2 Future State
- 3 Itemized Requirements
- 4 Schedule & Budget
- 5 Unique Considerations

Time & Financial Constraints



Content & Structure of a High-Performing SOW Schedule & Budget

- Schedule: clear & transparent identification of timing needs and constraints
- Budget: clear & transparent identification of financial needs and constraints



Should We Share the Budget?





Handout: The Budget

To Share or Not to Share? That is the Question!

The Budget

To Share or Not to Share? That is the Ouestion!

Our recommendation

If your project has a budget, share it. Put it right into the RFP/solicitation docs. Not a budget range or approximation, but the actual budget. The amount of money you, as the client, actually have that you can actually spend. No tricks, no hidden contingency, but the actual number, raw and exposed. Let the vendors know how much money you have...

Share your budget

but of course, you have to do this in the right way, and with the right procurement process, and with the right training for both your project team AND



Nevertheless, you may be thinking right now: "Share my budget? That's crazy talk!" 888 Let us explain.

First, some context

Initially, the big fear most clients have in sharing their budget is: "Won't vendors artificially raise their prices to meet my budget? They'll turn my money into their profit!" But first ask yourself this: "How often do I have more money than I need? How often is my budget bigger than my scope?"

For most organizations the answer is almost always Never. But it does happen sometimes, so let's say that on 5% of your projects your budget isn't "tight." This means that 95% of projects have tight budgets, essentially more scope than budget. When this occurs, you are asking vendors for more scope than you are able to afford

For those times when the budget is tight, let's look at both options:

The 95% of Projects





Option 1 What happens if I don't share the budget?



The budget is commonly the single biggest risk to the project. If it is not shared, your high performing vendors cannot use their expertise to help way. minimize your biggest risk.



Withholding your budget, gives low performers an advantage. A low performer's only competitive advantage is that they're cheap (initially).

Taking the biggest risk out of consideration in your evaluations makes it more difficult for high performers to differentiate themselves and easier for lower performers to look more attractive. A "good deal" may just be the beginning of problems on your project.



If the prices come in too high, it causes frustration, the blame-game, the potential of canceling the project, etc.

It can lead to inappropriate scope shaving, "value-engineering," and aggressive negotiating. These all cause inefficiency and waste additional time & effort.



The advantage is we don't have to worry about price gouging from vendors. But if you don't have enough money to begin with, this potential advantage doesn't exist.

Option 2 Benefits to Sharing the Budget



High performing vendors can use their expertise to help you minimize your budget risk within their proposals. This may come in the form of cost-saving ideas, innovative scope alternatives, etc. It makes the proposals more valuable & your interviews more productive.

Advantage #2:

It is easier for high performers to differentiate themselves in your evaluation process.

High performing vendors can use their expertise to provide cost-savings and value-adding innovations. Any such ideas that are contained within a proposal will inherently need to be specific to your project. Thus, it even helps minimize the boilerplate nature of many proposals.



It helps the vendors better understand the intent of your scope and purpose. A scope with a budget not only defines the needs and desires of the client, it does so within the framework of their constraints and resources.





(\$) (1) If your evaluations are set up properly, vendors can explain, in detail, why your budget and their estimated pricing differ.

Often, client project teams are under pressure to make a project happen, even when the project team feels the budget is inadequate. They try to convince their superiors that the budget is wrong, but often to no avail. The evaluation process can be used to help clarify reality and provide the project team with more, and better, cost information that can be used in discussions with supervisors and executives.

In our experience, there are more advantages to sharing the budget.

The other 5% of Projects

If you share your budget and you do have more money than you need, then price gouging is now an actual possibility. The good thing is that it just takes one honest vendor to keep the competition in check. In other words, it only takes one vendor to submit a fair and realistic price to negate ALL potential price gouging of other vendors, Vendors know this and rarely artificially raise their prices based upon a client's budget. They are more likely to raise prices based upon perceived risk and how badly their company needs the work.

Vendors are always looking to gain evaluation points everywhere they can, which means a lower price. Price is still heavily weighted in Simplar's XPD selection process with additional cost controls and protections in place. You will never get "burned" on price if you run the right procurement process. In any solicitation process, it is optimal to share your budget 100% of the time.



The Reality

There is no real risk in sharing your budget. Only perceived risk. We recommend always sharing your project budget and using XPD.



The Simplar XPD approach gets you faster procurements, more competition, higher performance, and better project and service

Sharing the budget is just one concept that the best clients use to get the best vendors with the best pricing. Simplar helps your organization become



Content & Structure of a High-Performing SOW Schedule & Budget

- The Budget is crucial (one of the most important SOW elements)
- Clarifies your technical Statement (what you can afford)
- Clearly define any financial constraints or expectations that you have (not ranges or "fuzzy" information → don't cause confusion!)
- Be direct, such as:
 - The construction budget for this Project is \$150,000
 - The estimated spend for this Project is \$2 Million
 - The project budget is \$3,000,000 over 5 years, of which \$500,000 is allocated for implementation and \$500,000 for annual subscription/support.
- (same for Schedule expectations, constraints, critical dates, phasing, etc.)



Statement of Work

- 1 Overview & Purpose
- 2 Future State
- 3 Itemized Requirements
- 4 Schedule & Budget
- **5** Unique Considerations

Supplemental Information



Content & Structure of a High-Performing SOW Unique Considerations

- Unique: what may be unusual in your environment? (vs. the vendor's other clients)
- Unknowns & Assumptions: list any conditions that are unknown or assumed
- Attachments & Exhibits: pertinent supplemental information



Keep in Mind...



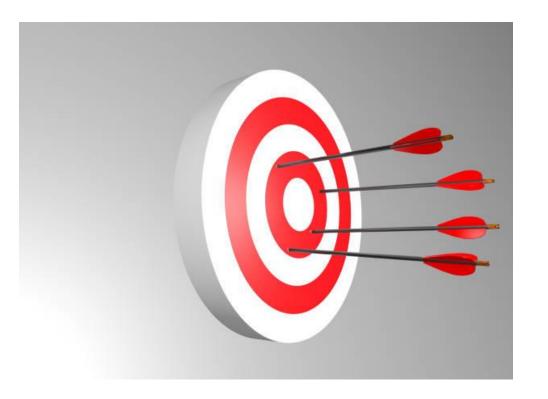
Goal Is Not Perfection!





Goal Is Not Perfection!





Do Our Best
Within Resource
Constraints

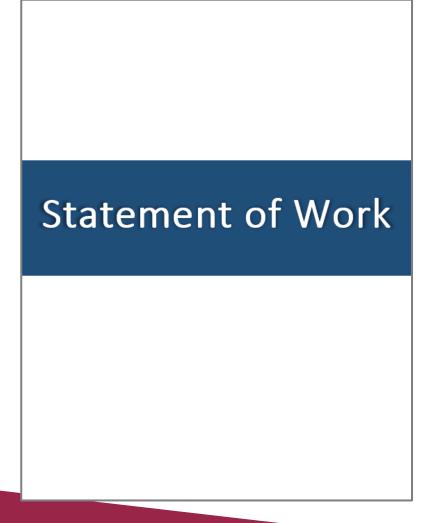
Center for Procurement Exce

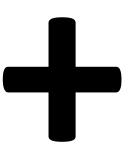


The Importance of Current Conditions



Content & Structure of a High-Performing SOW







Content & Structure of a High-Performing SOW

- 1 Overview & Background
- 2 Volumes & Quantities
- 3 Pain Points
- 4 Strengths
- **5** Figures, Diagrams, & References





- Often skipped, ignored, missed
- Most common request from vendors!!!



Painting-The-Picture (Statement of Work)

We spend a lot of time focusing on the SOW...

- What success looks like
- What will make you happy at the end of the contract
- What you want to look like
- What you want to achieve





Painting-The-Picture (Current Conditions)

...But we forget to describe what we look like

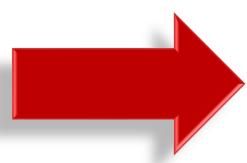
right now





Do Your Current Conditions Really Matter?





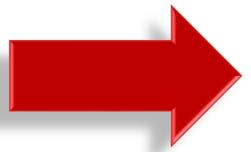


Center for Procurement Excel

Importance of Current Conditions

- Allows the vendors to understand the impact of the change
- Allows the vendor to confirm if SOW is achievable
- Allows the vendor to identify & address challenges
- Allows the vendor to verify the accuracy of your SOW





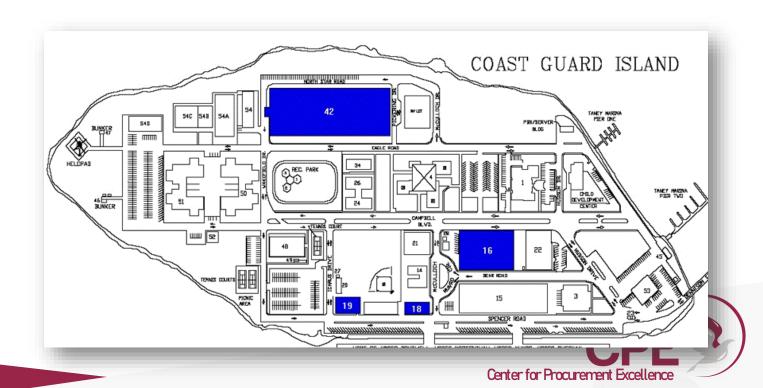


Center for Procurement Ex

Current Conditions in Re-Roofing

Statement of Work: Remove and replace existing roofing system and replace with a new built-up roofing system as shown in the drawings and specifications.









As a Vendor...

Is There Anything You Would Like To Know?? (About The Current Conditions)



Why are you really doing this project?

- What activities occur in the building / building use?
- What issues or concerns do you currently have?



- Building use = employee rec center (gym and basketball courts)
- Issue 1: we have leaks every time it rains
- Issue 2: we are worried about our wood basketball courts
- Issue 3: we don't want to have people monitor the gym during storms







"The building leaks aren't just coming from the roof..."











Current Conditions Can Allow An Expert vendor To Address Your Needs



Balancing Act:

Too Open-Ended vs.
Overly Prescriptive



Waste Hauling SOW

5,000+ tons of medical waste collection across urban area

- "An adequate fleet of collection vehicles should be used and maintained by the Vendor..."
- "It is the [Owner's] expectation that collection vehicles designated for service should at a minimum be less than two years old at the start of the contract"

Waste Hauling SOW

5,000+ tons of medical waste collection across urban area

In order to support accurate measurements towards the [Client's] sustainability goals, all vehicles must be solely dedicated to [the Client] and cannot be used for other sites."



Waste Hauling SOW



5,000+ tons of waste collection across urban area

- Average Proposal Price: +46% over the Budget
- Maximum Proposal Price: +106% Over the Budget
- SOW was put together with great intentions
 - Seeking high quality services & impressive sustainability goals.
- Over-emphasis on the inputs (restricting vendor means & methods) can detract from the outcomes (results)!



Impact of a Poor SOW

Perceptions of Owner SOWs

- Unclear
- Information is missing
- Overly prescriptive
- Unrealistic
- Discourages innovation
- The owner is "fishing"
- Misunderstands Needs
- Procurement is Not Fair

Impact

- Fewer proposals
- Low quality proposals
- Less qualified teams
- Less competitive pricing
- Less consistent pricing
- Open to interpretation
- Have to believe the vendor
- Brings Risk to the Project

Center for Procurement Excel

What is a High Performing SOW?

Core Objective: What would a <u>High-Performing Vendor</u> need (or want) to know?

ALWAYS question whether the SOW....

- Allows vendors to provide the best price?
- Gives vendors information to plan their approach?
- Enables vendors to minimize contingency?
- Prevents vendors from walking away?



Foundations of a High-Performing SOW

- Apples-to-Apples: clear & reasonable proposal benchmark
- Current Conditions: align expectations on the starting point
- Realistic: understand the norms of industry structure
- Clear, Concise, Complete: comprehensively describe needs
- Not Perfect: High-Performing does not mean Flawless



Free Webinar Series

3rd Thursdays every month
@ 12pm Central

15-min Teaching Moment

(learn a new tip, trick, or tool)

30-min Virtual Peer Group

(network with professionals)

Office Hours

(open Q&A until the questions run out!)







Key Learning Points

- A good Statement of Work is CRUCIAL to being seen as a client of choice
- Provide your budget!!!
- Procurement can provide leadership and facilitation skills in a way that most other groups cannot



Jake.Smithwick@uncc.edu

