



**SUBCONSULTANT FEE PROPOSAL WORKSHEET**

|   |                                       |                                   |
|---|---------------------------------------|-----------------------------------|
| COMPANY:<br><b>Converse Consultants</b>                 | SCOPE OF WORK:<br><b>Geotechnical</b> | PHASE:<br><b>Phase I</b>          |
| PROJECT:<br><b>I-10/Monroe Interchange Improvements</b> |                                       | DATE:<br><b>November 16, 2017</b> |

**DIRECT LABOR**

| PERSONNEL            | POSITION               | HOURS      | RATE                      | AMOUNT             |
|----------------------|------------------------|------------|---------------------------|--------------------|
| Hashmi Quazi         | Principal-in-Charge    | 32         | @ \$129.01                | \$4,128.32         |
| Norman Eke           | Managing Officer       | 1          | @ \$92.52                 | \$92.52            |
| Siva Sivathanan      | Lead Engineer          | 32         | @ \$74.52                 | \$2,384.64         |
| Scot Mathis          | Senior Geologist       | 32         | @ \$60.00                 | \$1,920.00         |
| Laura Tanaka         | Principal Scientist    | 2          | @ \$49.53                 | \$99.06            |
| Michael Van Fleet    | Senior Geologist       | 16         | @ \$40.84                 | \$653.44           |
| Andrew Romero        | Field Staff-ADL        | 8          | @ \$35.00                 | \$280.00           |
| Jay Burnham          | Senior Staff Geologist | 50         | @ \$30.77                 | \$1,538.50         |
| George Paler         | Project Manager        | 16         | @ \$30.49                 | \$487.84           |
| MD Zahandir Alam     | Senior Staff Engineer  | 200        | @ \$29.81                 | \$5,962.00         |
| Rodney Stansfield    | Field Staff-Survey     | 8          | @ \$29.00                 | \$232.00           |
| Danielle Ertl        | Accounting/Billing     | 12         | @ \$28.32                 | \$339.84           |
| Antonio Maciel       | Senior Staff Engineer  | 30         | @ \$27.88                 | \$836.40           |
| Kathy Von Glahn      | Word Processor         | 30         | @ \$22.00                 | \$660.00           |
| Mike Maldonado       | Staff Geologist        | 30         | @ \$21.60                 | \$648.00           |
| Robert Jarquin       | Laboratory Supervisor  | 6          | @ \$20.00                 | \$120.00           |
| Sherwyn Dumaua       | Drafting               | 26         | @ \$20.00                 | \$520.00           |
| Anne Marie Maldonado | Clerical               |            | \$17.00                   |                    |
| <b>TOTAL HOURS</b>   |                        | <b>531</b> | <b>TOTAL DIRECT LABOR</b> | <b>\$20,902.56</b> |

**MULTIPLIERS**

|                          |  |                    |
|--------------------------|--|--------------------|
| ESCALATION @             | (of Direct Labor)                      |                    |
| OVERHEAD @               | 166.35% (of Direct Labor + Escalation) | \$34,771.41        |
| PAYROLL ADDITIVES @      | 32.62% (of Direct Labor + Escalation)  | \$6,818.42         |
| PROFIT (FIXED FEE)       | 10.0%                                  | \$6,249.24         |
| <b>TOTAL MULTIPLIERS</b> |  | <b>\$47,839.06</b> |

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

| ITEM                  | QUANTITY | UNIT  | UNIT COST    | AMOUNT            |
|-----------------------|----------|-------|--------------|-------------------|
| Travel/Mileage        | 500      | Miles | @ \$0.54     | \$267.50          |
| Reproductions         | 1000     | Pages | @ \$0.20     | \$200.00          |
| XRF (Daily Rental)    | 1        | Day   | @ \$200.00   | \$200.00          |
| Bulk Asbestos Samples | 18       | Each  | @ \$6.00     | \$108.00          |
| Soil Samples - Lead   | 20       | Each  | @ \$25.00    | \$500.00          |
| Geoprobe drill rig    | 1        | Each  | @ \$1,500.00 | \$1,500.00        |
| <b>TOTAL ODC'S</b>    |          |       |              | <b>\$2,775.50</b> |

**TOTAL \$71,517.12**

**SUBCONSULTANT MANHOOR WORKSHEET SUMMARY**

|   |                                       |                                   |
|---|---------------------------------------|-----------------------------------|
| COMPANY:<br><b>Converse Consultants</b>                 | SCOPE OF WORK:<br><b>Geotechnical</b> | PHASE:<br><b>All Phases</b>       |
| PROJECT:<br><b>I-10/Monroe Interchange Improvements</b> |                                       | DATE:<br><b>November 16, 2017</b> |

| TASK | PRINCIPAL-IN-CHARGE | MANAGING OFFICER | LEAD ENGINEER | SENIOR GEOLOGIST | PRINCIPAL SCIENTIST | SENIOR GEOLOGIST | FIELD STAFF-ADL | SENIOR STAFF GEOLGIST | PROJECT MANAGER | SENIOR STAFF ENGINEER | FIELD STAFF-SURVEY | ACCOUNTING/BILLING | SENIOR STAFF ENGINEER | WORD PROCESSOR | HOURS | (Top & Bottom) HOURS |
|------|---------------------|------------------|---------------|------------------|---------------------|------------------|-----------------|-----------------------|-----------------|-----------------------|--------------------|--------------------|-----------------------|----------------|-------|----------------------|
|      | \$304.27            | \$245.07         | \$197.32      | \$162.89         | \$134.31            | \$115.10         | \$101.19        | \$100.27              | \$98.04         | \$95.37               | \$93.14            | \$91.69            | \$72.35               |                |       |                      |

|                     |           |          |           |          |           |          |           |           |            |          |           |           |           |            |            |
|---------------------|-----------|----------|-----------|----------|-----------|----------|-----------|-----------|------------|----------|-----------|-----------|-----------|------------|------------|
| <b>PHASE TOTALS</b> | <b>32</b> | <b>1</b> | <b>32</b> | <b>2</b> | <b>16</b> | <b>8</b> | <b>50</b> | <b>16</b> | <b>200</b> | <b>8</b> | <b>12</b> | <b>30</b> | <b>30</b> | <b>469</b> | <b>531</b> |
|---------------------|-----------|----------|-----------|----------|-----------|----------|-----------|-----------|------------|----------|-----------|-----------|-----------|------------|------------|

|           |    |   |    |   |    |   |    |    |     |   |    |    |    |     |     |
|-----------|----|---|----|---|----|---|----|----|-----|---|----|----|----|-----|-----|
| PHASE I   | 32 | 1 | 32 | 2 | 16 | 8 | 50 | 16 | 200 | 8 | 12 | 30 | 30 | 469 | 531 |
| PHASE II  |    |   |    |   |    |   |    |    |     |   |    |    |    |     |     |
| PHASE III |    |   |    |   |    |   |    |    |     |   |    |    |    |     |     |
| PHASE IV  |    |   |    |   |    |   |    |    |     |   |    |    |    |     |     |

| TASK | STAFF GEOLOGIST | LABORATORY SUPERVISOR | DRAFTING | CLERICAL | HOURS | (Top & Bottom) HOURS |
|------|-----------------|-----------------------|----------|----------|-------|----------------------|
|      | \$71.04         | \$65.77               | \$65.77  | \$55.91  |       |                      |

|                     |           |          |           |           |
|---------------------|-----------|----------|-----------|-----------|
| <b>PHASE TOTALS</b> | <b>30</b> | <b>6</b> | <b>26</b> | <b>62</b> |
|---------------------|-----------|----------|-----------|-----------|

|           |    |   |    |    |
|-----------|----|---|----|----|
| PHASE I   | 30 | 6 | 26 | 62 |
| PHASE II  |    |   |    |    |
| PHASE III |    |   |    |    |
| PHASE IV  |    |   |    |    |

**SUBCONSULTANT MANHOUR WORKSHEET**

|   |                                       |                                   |
|---|---------------------------------------|-----------------------------------|
| COMPANY:<br><b>Converse Consultants</b>                 | SCOPE OF WORK:<br><b>Geotechnical</b> | PHASE:<br><b>Phase I</b>          |
| PROJECT:<br><b>I-10/Monroe Interchange Improvements</b> |                                       | DATE:<br><b>November 16, 2017</b> |

|                       |                       |          |    |    |    |    |    |    |    |     |     |     |    |    |    |     |           |
|-----------------------|-----------------------|----------|----|----|----|----|----|----|----|-----|-----|-----|----|----|----|-----|-----------|
| KSYA                  | MANAGING OFFICER      | \$424.27 | 32 | 1  | 32 | 32 | 2  | 16 | 8  | 50  | 16  | 200 | 8  | 12 | 30 | 30  | 469       |
|                       | LEAD ENGINEER         | \$245.07 | 32 | 32 | 32 | 2  | 16 | 8  | 50 | 16  | 200 | 8   | 12 | 30 | 30 | 418 | \$ 58,439 |
|                       | SENIOR ENGINEER       | \$197.32 | 32 | 32 | 32 | 2  | 16 | 8  | 50 | 16  | 200 | 8   | 12 | 30 | 30 | 51  | \$ 6,067  |
|                       | PRINCIPAL IN-CHARGE   | \$304.27 | 32 | 1  | 32 | 2  | 16 | 8  | 50 | 16  | 200 | 8   | 12 | 30 | 30 |     |           |
|                       | PRINCIPAL SCIENTIST   | \$162.69 | 32 | 32 | 32 | 2  | 16 | 8  | 50 | 16  | 200 | 8   | 12 | 30 | 30 |     |           |
|                       | SENIOR GEOLOGIST      | \$134.31 | 32 | 32 | 32 | 2  | 16 | 8  | 50 | 16  | 200 | 8   | 12 | 30 | 30 |     |           |
|                       | PRINCIPAL GEOLOGIST   | \$115.10 | 32 | 32 | 32 | 2  | 16 | 8  | 50 | 16  | 200 | 8   | 12 | 30 | 30 |     |           |
|                       | SENIOR GEOLOGIST      | \$101.19 | 32 | 32 | 32 | 2  | 16 | 8  | 50 | 16  | 200 | 8   | 12 | 30 | 30 |     |           |
|                       | FIELD STAFF-ADL       | \$100.27 | 32 | 32 | 32 | 2  | 16 | 8  | 50 | 16  | 200 | 8   | 12 | 30 | 30 |     |           |
|                       | SENIOR STAFF-ENGINEER | \$98.04  | 32 | 32 | 32 | 2  | 16 | 8  | 50 | 16  | 200 | 8   | 12 | 30 | 30 |     |           |
|                       | PROJECT MANAGER       | \$95.37  | 32 | 32 | 32 | 2  | 16 | 8  | 50 | 16  | 200 | 8   | 12 | 30 | 30 |     |           |
|                       | FIELD STAFF-SURVEY    | \$93.14  | 32 | 32 | 32 | 2  | 16 | 8  | 50 | 16  | 200 | 8   | 12 | 30 | 30 |     |           |
| ACCOUNTING/BILLING    | \$81.68               | 32       | 32 | 32 | 2  | 16 | 8  | 50 | 16 | 200 | 8   | 12  | 30 | 30 |    |     |           |
| SENIOR STAFF-ENGINEER | \$72.35               | 32       | 32 | 32 | 2  | 16 | 8  | 50 | 16 | 200 | 8   | 12  | 30 | 30 |    |     |           |
| WORD PROCESSOR        |                       | 32       | 32 | 32 | 2  | 16 | 8  | 50 | 16 | 200 | 8   | 12  | 30 | 30 |    |     |           |

**Total Manhours**

|  |    |    |    |   |    |   |    |    |     |   |    |    |    |     |           |
|--|----|----|----|---|----|---|----|----|-----|---|----|----|----|-----|-----------|
| 2.11 Preliminary Geotechnical Investigations and Evaluation            | 32 | 32 | 32 | 2 | 16 | 8 | 50 | 16 | 200 | 8 | 12 | 30 | 30 | 418 | \$ 58,439 |
| 4.9 Asbestos, Lead-Based Paint, and Aerially Deposited Lead Memorandum | 1  | 32 | 32 | 2 | 16 | 8 | 50 | 16 | 200 | 8 | 12 | 30 | 30 | 51  | \$ 6,067  |



**SUBCONSULTANT FEE PROPOSAL WORKSHEET**

|   |                                  |                                   |
|---|----------------------------------|-----------------------------------|
| COMPANY:<br><b>Fehr &amp; Peers</b>                     | SCOPE OF WORK:<br><b>Traffic</b> | PHASE:<br><b>Phase I</b>          |
| PROJECT:<br><b>I-10/Monroe Interchange Improvements</b> |                                  | DATE:<br><b>November 16, 2017</b> |

**DIRECT LABOR**

| PERSONNEL           | POSITION         | HOURS | RATE      | AMOUNT     |
|---------------------|------------------|-------|-----------|------------|
| Jason Pack, P.E.    | PIC/PM           | 69    | @ \$80.77 | \$5,573.13 |
| Anna Luo, P.E.      | Sr. Associate    | 52    | @ \$60.10 | \$3,125.20 |
| Kara Hall           | Engineer         | 70    | @ \$35.10 | \$2,457.00 |
| Engineering Support | Engineer         | 225   | @ \$31.25 | \$7,031.25 |
| Sandra Hyatt        | Admin Support    | 22    | @ \$38.46 | \$846.12   |
| Graphics Support    | Graphics Support | 40    | @ \$41.35 | \$1,654.00 |

TOTAL HOURS      **478**      TOTAL DIRECT LABOR      **\$20,686.70**

**MULTIPLIERS**

|                     |  |             |
|---------------------|--|-------------|
| ESCALATION @        | (of Direct Labor)                      |             |
| OVERHEAD @          | 102.98% (of Direct Labor + Escalation) | \$21,303.16 |
| PAYROLL ADDITIVES @ | 73.06% (of Direct Labor + Escalation)  | \$15,113.70 |
| PROFIT (FIXED FEE)  | 10.0%                                  | \$5,710.36  |

TOTAL MULTIPLIERS      **\$42,127.22**

**OTHER DIRECT COSTS**

... Billed at Actual Cost ...

| ITEM           | QUANTITY | UNIT | UNIT COST | AMOUNT     |
|----------------|----------|------|-----------|------------|
| Travel/Mileage | 200      | @    | \$0.54    | \$107.00   |
| Traffic Counts | 13       | @    | \$440.00  | \$5,720.00 |

TOTAL ODC'S      **\$5,827.00**

**TOTAL**      **\$68,640.92**



**SUBCONSULTANT MANHOURLY WORKSHEET SUMMARY**

|   |  |                                   |                             |
|---|--|-----------------------------------|-----------------------------|
| COMPANY:<br><b>Fehr &amp; Peers</b>                     |  | SCOPE OF WORK:<br><b>Traffic</b>  | PHASE:<br><b>All Phases</b> |
| PROJECT:<br><b>I-10/Monroe Interchange Improvements</b> |  | DATE:<br><b>November 16, 2017</b> |                             |

| TASK      | PC/PM    | SR. ASSOCIATE | ENGINEER | ENGINEER | ADMIN SUPPORT | GRAPHICS SUPPORT | HOURS |
|-----------|----------|---------------|----------|----------|---------------|------------------|-------|
|           | \$245.25 | \$182.49      | \$106.58 | \$94.89  | \$116.78      | \$125.56         |       |
|           | 69       | 52            | 70       | 225      | 22            | 40               | 478   |
| PHASE I   | 69       | 52            | 70       | 225      | 22            | 40               | 478   |
| PHASE II  |          |               |          |          |               |                  |       |
| PHASE III |          |               |          |          |               |                  |       |
| PHASE IV  |          |               |          |          |               |                  |       |

**PHASE TOTALS**

|           |    |    |    |     |    |    |     |
|-----------|----|----|----|-----|----|----|-----|
| PHASE I   | 69 | 52 | 70 | 225 | 22 | 40 | 478 |
| PHASE II  |    |    |    |     |    |    |     |
| PHASE III |    |    |    |     |    |    |     |
| PHASE IV  |    |    |    |     |    |    |     |

**SUBCONSULTANT MANHOUR WORKSHEET**

COMPANY: Fehr & Peers

PROJECT: I-10/Monroe Interchange Improvements

PHASE: Phase I

DATE: November 16, 2017

SCOPE OF WORK: Traffic

| TASK | PICTM | SR. ASSOCIATE | ENGINEER | ENGINEER | ADMIN SUPPORT | GRAPHICS SUPPORT | HOURS | COST      |
|------|-------|---------------|----------|----------|---------------|------------------|-------|-----------|
|      | 69    | 52            | 70       | 225      | 22            | 40               | 478   |           |
|      | 5     |               |          |          | 10            |                  | 15    | \$ 2,394  |
|      | 20    |               | 10       |          |               |                  | 30    | \$ 5,971  |
|      | 4     | 5             |          |          |               |                  | 5     | \$ 912    |
|      |       | 5             | 40       |          |               |                  | 49    | \$ 5,689  |
|      |       | 2             | 5        | 10       | 2             |                  | 19    | \$ 2,080  |
|      | 15    | 10            | 20       | 75       | 5             | 10               | 135   | \$ 16,591 |
|      | 25    | 30            | 35       | 100      | 5             | 30               | 225   | \$ 29,176 |

\$245.25 \$182.49 \$106.58 \$94.89 \$116.78 \$125.56

**Total Manhours**

|                                     |    |    |    |     |    |    |  |  |  |
|-------------------------------------|----|----|----|-----|----|----|--|--|--|
| 1.0 Project Management              | 5  |    |    |     | 10 |    |  |  |  |
| 1.2 Project Meetings                | 20 |    | 10 |     |    |    |  |  |  |
| 1.7 Quality Control Plan            | 4  | 5  |    |     |    |    |  |  |  |
| 2.0 Perform Preliminary Engineering |    | 5  | 40 |     |    |    |  |  |  |
| 2.1 Research and Data Gathering     |    | 2  | 5  | 10  | 2  |    |  |  |  |
| 2.4 Traffic Analysis                | 15 | 10 | 20 | 75  | 5  | 10 |  |  |  |
| 2.5 Value Analysis                  | 25 | 30 | 35 | 100 | 5  | 30 |  |  |  |



**SUBCONSULTANT FEE PROPOSAL WORKSHEET**

|   |                                       |                                   |
|---|---------------------------------------|-----------------------------------|
| COMPANY:<br><b>Overland Pacific &amp; Cutler, Inc.</b>  | SCOPE OF WORK:<br><b>Right of Way</b> | PHASE:<br><b>Phase I</b>          |
| PROJECT:<br><b>I-10/Monroe Interchange Improvements</b> |                                       | DATE:<br><b>November 16, 2017</b> |

**DIRECT LABOR**

| PERSONNEL      | POSITION                    | HOURS              | RATE      | AMOUNT                    |                   |
|----------------|-----------------------------|--------------------|-----------|---------------------------|-------------------|
| Robert Vasquez | Project Manager             | 8                  | @ \$46.64 | \$373.12                  |                   |
| TBD            | Senior Right of Way Analyst | 28                 | @ \$28.84 | \$807.52                  |                   |
| TBD            | Analyst                     | 48                 | @ \$24.03 | \$1,153.44                |                   |
|                |                             | <b>TOTAL HOURS</b> | <b>84</b> | <b>TOTAL DIRECT LABOR</b> | <b>\$2,334.08</b> |

**MULTIPLIERS**

|                          |                   |                                |                   |
|--------------------------|-------------------|--------------------------------|-------------------|
| ESCALATION @             | (of Direct Labor) |                                |                   |
| OVERHEAD @               | 120.70%           | (of Direct Labor + Escalation) | \$2,817.23        |
| PAYROLL ADDITIVES @      | 37.30%            | (of Direct Labor + Escalation) | \$870.61          |
| PROFIT (FIXED FEE)       | 10.0%             |                                | \$602.19          |
| <b>TOTAL MULTIPLIERS</b> |                   |                                | <b>\$4,290.04</b> |

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

| ITEM               | QUANTITY | UNIT | UNIT COST | AMOUNT          |
|--------------------|----------|------|-----------|-----------------|
| Travel/Mileage     | 200      | @    | \$0.54    | \$107.00        |
| <b>TOTAL ODC'S</b> |          |      |           | <b>\$107.00</b> |

**TOTAL** \$6,731.12

**SUBCONSULTANT MANHOURLY WORKSHEET SUMMARY**

|   |                                       |                             |
|---|---------------------------------------|-----------------------------|
| COMPANY:<br><b>Overland Pacific &amp; Cutler, Inc.</b>  | SCOPE OF WORK:<br><b>Right of Way</b> | PHASE:<br><b>All Phases</b> |
| PROJECT:<br><b>I-10/Monroe Interchange Improvements</b> | DATE:<br><b>November 16, 2017</b>     |                             |

| TASK | PROJECT MANAGER | SENIOR RIGHT OF WAY ANALYST | ANALYST | HOURS |
|------|-----------------|-----------------------------|---------|-------|
|      |                 |                             |         |       |
|      |                 |                             |         |       |
|      |                 |                             |         |       |
|      |                 |                             |         |       |

\$132.36 \$81.85 \$68.20

|                     |   |    |    |    |
|---------------------|---|----|----|----|
| <b>PHASE TOTALS</b> | 8 | 28 | 48 | 84 |
|---------------------|---|----|----|----|

|           |   |    |    |    |
|-----------|---|----|----|----|
| PHASE I   | 8 | 28 | 48 | 84 |
| PHASE II  |   |    |    |    |
| PHASE III |   |    |    |    |
| PHASE IV  |   |    |    |    |

**SUBCONSULTANT MANHOUR WORKSHEET**

COMPANY: **Overland Pacific & Cutler, Inc.**

PROJECT: **I-10/Monroe Interchange Improvements**

SCOPE OF WORK: **Right of Way**

PHASE: **Phase I**

DATE: **November 16, 2017**

| TASK | PROJECT MANAGER | SENIOR ANALYST | ANALYST | HOURS | COST     |
|------|-----------------|----------------|---------|-------|----------|
|      | \$132.36        | \$61.65        | \$68.20 |       |          |
|      | 8               | 28             | 48      | 84    |          |
|      | 8               | 28             | 48      | 84    | \$ 6,624 |

**Total Manhours**

**2.8 Preliminary Right of Way Engineering**

### SUBCONSULTANT FEE PROPOSAL WORKSHEET

|   |                                |                                   |
|---|--------------------------------|-----------------------------------|
| COMPANY:<br><b>Parsons Transportation Group, Inc.</b>   | SCOPE OF WORK:<br><b>Civil</b> | PHASE:<br><b>Phase I</b>          |
| PROJECT:<br><b>I-10/Monroe Interchange Improvements</b> |                                | DATE:<br><b>November 16, 2017</b> |

#### DIRECT LABOR

| PERSONNEL         | POSITION                 | HOURS        | RATE               | AMOUNT              |
|-------------------|--------------------------|--------------|--------------------|---------------------|
| Mike Roberts      | Project Manager          | 82           | @ \$76.13          | \$6,242.25          |
| Scott Neff        | QC Civil Lead            | 190          | @ \$72.71          | \$13,814.71         |
| James Santos      | QC Environmental Lead    | 190          | @ \$61.73          | \$11,728.70         |
| Joza Burnam       | Air/Noise Specialist     | 365          | @ \$40.74          | \$14,868.64         |
| Marty Meyer       | Air/Noise Specialist     | 360          | @ \$53.05          | \$19,096.20         |
| Jessica Wilkinson | Environmental Planner    | 120          | @ \$42.30          | \$5,075.40          |
| Vincent Tong      | Environmental Specialist | 120          | @ \$31.32          | \$3,758.88          |
| Ryan Hansen       | Water Quality Specialist | 50           | @ \$66.94          | \$3,346.90          |
| Nelly Lo          | Water Quality Specialist | 60           | @ \$52.49          | \$3,149.34          |
| Heng Chow         | Storm Water Engineer     | 175          | @ \$69.22          | \$12,113.50         |
| Brian Patschull   | Drainage Engineer        | 105          | @ \$75.94          | \$7,973.28          |
| Dale Wilson       | Traffic Engineer         | 30           | @ \$80.11          | \$2,403.27          |
| Kevin Michalski   | Structures Engineer      | 212          | @ \$85.98          | \$18,227.76         |
| Roy Fisher        | Construction Manager     | 35           | @ \$97.43          | \$3,410.09          |
| TOTAL HOURS       |                          | <b>2,094</b> | TOTAL DIRECT LABOR | <b>\$125,208.92</b> |

#### MULTIPLIERS

|                     |                                       |                     |
|---------------------|---------------------------------------|---------------------|
| ESCALATION @        | (of Direct Labor)                     |                     |
| OVERHEAD @          | 74.07% (of Direct Labor + Escalation) | \$92,742.24         |
| PAYROLL ADDITIVES @ | 48.84% (of Direct Labor + Escalation) | \$61,152.03         |
| PROFIT (FIXED FEE)  | 10.0%                                 | \$27,910.32         |
| TOTAL MULTIPLIERS   |                                       | <b>\$181,804.60</b> |

#### OTHER DIRECT COSTS

\*\*\* Billed at Actual Cost \*\*\*

| ITEM           | QUANTITY | UNIT    | UNIT COST     | AMOUNT             |
|----------------|----------|---------|---------------|--------------------|
| Travel/Mileage | 5000     | Mileage | @ \$0.54      | \$2,675.00         |
| Reproductions  | 1        | LS      | @ \$10,000.00 | \$10,000.00        |
| TOTAL ODC'S    |          |         |               | <b>\$12,675.00</b> |

**TOTAL** **\$319,688.51**

**SUBCONSULTANT MANHOUR WORKSHEET SUMMARY**

|                                      |                   |            |
|--------------------------------------|-------------------|------------|
| COMPANY:                             | SCOPE OF WORK:    | PHASE:     |
| Parsons Transportation Group, Inc.   | Civil             | All Phases |
| PROJECT:                             | DATE:             |            |
| I-10/Monroe Interchange Improvements | November 16, 2017 |            |

| POSITION                 | RATE     | PHASE I   | PHASE II   | PHASE III  | PHASE IV   | TOTAL HOURS  | TOTAL RATE          |
|--------------------------|----------|-----------|------------|------------|------------|--------------|---------------------|
| PROJECT MANAGER          | \$178.28 | 190       | 190        | 190        | 190        | 760          | \$135,691.20        |
| QC CIVIL LEAD            | \$151.36 | 190       | 190        | 190        | 190        | 760          | \$115,033.60        |
| QC ENVIRONMENTAL LEAD    | \$99.89  | 365       | 365        | 365        | 365        | 1,460        | \$146,033.45        |
| APRNOISE SPECIALIST      | \$130.07 | 120       | 120        | 120        | 120        | 480          | \$62,433.60         |
| APRNOISE SPECIALIST      | \$103.71 | 120       | 120        | 120        | 120        | 480          | \$49,780.80         |
| ENVIRONMENTAL PLANNER    | \$76.81  | 120       | 120        | 120        | 120        | 480          | \$36,844.80         |
| ENVIRONMENTAL PLANNER    | \$164.13 | 50        | 50         | 50         | 50         | 200          | \$32,826.00         |
| WATER QUALITY SPECIALIST | \$128.70 | 60        | 60         | 60         | 60         | 240          | \$30,828.00         |
| WATER QUALITY SPECIALIST | \$169.73 | 175       | 175        | 175        | 175        | 700          | \$118,377.75        |
| STORM WATER ENGINEER     | \$186.20 | 105       | 105        | 105        | 105        | 420          | \$78,204.00         |
| DRAINAGE ENGINEER        | \$196.43 | 30        | 30         | 30         | 30         | 120          | \$23,571.60         |
| TRAFFIC ENGINEER         | \$210.82 | 212       | 212        | 212        | 212        | 848          | \$178,791.76        |
| STRUCTURES ENGINEER      | \$210.82 | 212       | 212        | 212        | 212        | 848          | \$178,791.76        |
| CONSTRUCTION MANAGER     | \$238.90 | 35        | 35         | 35         | 35         | 140          | \$33,446.00         |
| <b>TOTALS</b>            |          | <b>82</b> | <b>190</b> | <b>190</b> | <b>190</b> | <b>2,094</b> | <b>\$238,900.00</b> |

**PHASE TOTALS**

|           |     |     |     |     |     |              |
|-----------|-----|-----|-----|-----|-----|--------------|
| PHASE I   | 82  | 190 | 190 | 190 | 760 | \$135,691.20 |
| PHASE II  | 190 | 190 | 190 | 190 | 760 | \$115,033.60 |
| PHASE III | 190 | 190 | 190 | 190 | 760 | \$115,033.60 |
| PHASE IV  | 190 | 190 | 190 | 190 | 760 | \$115,033.60 |

**SUBCONSULTANT MANHOURLY WORKSHEET**

SCOPE OF WORK:

Civil

PHASE:  
Phase I

DATE:  
November 16, 2017

COMPANY:  
Parsons Transportation Group, Inc.

PROJECT:  
I-10/Monroe Interchange Improvements

|                          |           |           |          |           |           |          |           |           |           |           |           |           |           |
|--------------------------|-----------|-----------|----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| PROJECT MANAGER          | \$178,226 | \$151,366 | \$59,899 | \$130,077 | \$108,771 | \$76,811 | \$164,133 | \$128,770 | \$169,773 | \$186,200 | \$196,433 | \$210,622 | \$236,900 |
| GC CIVIL LEAD            |           |           |          |           |           |          |           |           |           |           |           |           |           |
| GC ENVIRONMENTAL LEAD    |           |           |          |           |           |          |           |           |           |           |           |           |           |
| PROJECT MANAGER          |           |           |          |           |           |          |           |           |           |           |           |           |           |
| ENVIRONMENTAL PLANNER    |           |           |          |           |           |          |           |           |           |           |           |           |           |
| ENVIRONMENTAL SPECIALIST |           |           |          |           |           |          |           |           |           |           |           |           |           |
| ANALYSIS SPECIALIST      |           |           |          |           |           |          |           |           |           |           |           |           |           |
| ANALYSIS SPECIALIST      |           |           |          |           |           |          |           |           |           |           |           |           |           |
| ENVIRONMENTAL PLANNER    |           |           |          |           |           |          |           |           |           |           |           |           |           |
| ENVIRONMENTAL SPECIALIST |           |           |          |           |           |          |           |           |           |           |           |           |           |
| WATER QUALITY SPECIALIST |           |           |          |           |           |          |           |           |           |           |           |           |           |
| WATER QUALITY SPECIALIST |           |           |          |           |           |          |           |           |           |           |           |           |           |
| WATER QUALITY SPECIALIST |           |           |          |           |           |          |           |           |           |           |           |           |           |
| STORM WATER ENGINEER     |           |           |          |           |           |          |           |           |           |           |           |           |           |
| STORM WATER ENGINEER     |           |           |          |           |           |          |           |           |           |           |           |           |           |
| DRAINAGE ENGINEER        |           |           |          |           |           |          |           |           |           |           |           |           |           |
| TRAFFIC ENGINEER         |           |           |          |           |           |          |           |           |           |           |           |           |           |
| STRUCTURES ENGINEER      |           |           |          |           |           |          |           |           |           |           |           |           |           |
| CONSTRUCTION MANAGER     |           |           |          |           |           |          |           |           |           |           |           |           |           |

\$186,668 \$178,226 \$151,366 \$59,899 \$130,077 \$108,771 \$76,811 \$164,133 \$128,770 \$169,773 \$186,200 \$196,433 \$210,622 \$236,900

|   | 82 | 190 | 190 | 365 | 360 | 120 | 120 | 120 | 50 | 60 | 175 | 105 | 30 | 212 | 35 | 2,094 |           |
|---|----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|----|-----|----|-------|-----------|
| <b>Total Manhours</b>                           | 42 | 190 | 190 |     |     |     |     |     |    |    | 160 | 105 |    | 212 | 35 |       |           |
| 1.0 Project Management                          | 42 |     |     |     |     |     |     |     |    |    |     |     |    |     |    | 42    | \$ 7,840  |
| 1.7 Quality Control Plan                        | 40 | 190 | 190 |     |     |     |     |     |    |    |     |     |    |     |    | 420   | \$ 70,099 |
| 2.7 Storm Water Data Report                     |    |     |     |     |     |     |     |     |    |    | 160 |     |    |     |    | 160   | \$ 27,157 |
| 2.9 Preliminary Drainage                        |    |     |     |     |     |     |     |     |    |    |     | 105 |    |     |    | 105   | \$ 19,551 |
| 2.12 Structures Advanced Planning Study         |    |     |     |     |     |     |     |     |    |    |     |     |    | 212 | 35 | 247   | \$ 53,056 |
| 2.14 Preliminary Transportation Management Plan |    |     |     |     |     |     |     |     |    |    |     |     | 30 |     |    | 30    | \$ 5,893  |
| 4.1 Farmland Technical Memorandum               |    |     |     |     |     |     | 20  | 20  |    |    |     |     |    |     |    | 40    | \$ 3,610  |
| 4.2 Noise Study                                 |    |     |     | 175 | 175 |     |     |     |    |    |     |     |    |     |    | 350   | \$ 40,242 |
| 4.3 Noise Abatement Decision Report             |    |     |     | 50  | 50  |     |     |     |    |    |     |     |    |     |    | 100   | \$ 11,498 |
| 4.4 Air Quality Study                           |    |     |     | 140 | 135 |     |     |     |    |    |     |     |    |     |    | 275   | \$ 31,543 |
| 4.7 Water Quality Assessment Report (WQAR)      |    |     |     |     |     |     |     |     | 50 | 60 |     |     |    |     |    | 110   | \$ 15,929 |
| 5.1 Prepare Draft Environmental Document        |    |     |     |     |     |     | 100 | 100 |    |    |     |     |    |     |    | 200   | \$ 18,051 |
| 6.3 Final Environmental Document                |    |     |     |     |     |     |     |     |    |    |     |     |    |     |    | 15    | \$ 2,546  |





**SUBCONSULTANT MAN-HOUR WORKSHEET SUMMARY**

|   |  |                                   |
|---|--|-----------------------------------|
| COMPANY:<br><b>POWER Engineers</b>                      | SCOPE OF WORK:<br><b>Environmental</b> | PHASE:<br><b>All Phases</b>       |
| PROJECT:<br><b>I-10/Monroe Interchange Improvements</b> |  | DATE:<br><b>November 16, 2017</b> |

|       |                          |    |     |     |    |    |       |
|-------|--------------------------|----|-----|-----|----|----|-------|
| TASVA | PROJECT MANAGER          | 68 | 940 | 108 | 80 | 20 | HOURS |
|       | GIS/GRAPHICS             |    |     |     |    |    |       |
|       | ENVIRONMENTAL PLANNER    |    |     |     |    |    |       |
|       | TECHNICAL EDITOR         |    |     |     |    |    |       |
|       | PROJECT ADMINISTRATOR    |    |     |     |    |    |       |
|       | ADMIN. ASST./STAFF ASST. |    |     |     |    |    |       |

\$216.26 \$132.14 \$127.29 \$105.31 \$88.30 \$69.50

|                     |            |           |            |            |           |           |              |
|---------------------|------------|-----------|------------|------------|-----------|-----------|--------------|
| <b>PHASE TOTALS</b> | <b>307</b> | <b>68</b> | <b>940</b> | <b>108</b> | <b>80</b> | <b>20</b> | <b>1,523</b> |
|---------------------|------------|-----------|------------|------------|-----------|-----------|--------------|

|           |     |    |     |     |    |    |       |
|-----------|-----|----|-----|-----|----|----|-------|
| PHASE I   | 307 | 68 | 940 | 108 | 80 | 20 | 1,523 |
| PHASE II  |     |    |     |     |    |    |       |
| PHASE III |     |    |     |     |    |    |       |
| PHASE IV  |     |    |     |     |    |    |       |

**SUBCONSULTANT MANHOURLY WORKSHEET**

COMPANY: **POWER Engineers**      SCOPE OF WORK: **Environmental**      PHASE: **Phase I**  
 PROJECT: **I-10/Monroe Interchange Improvements**      DATE: **November 16, 2017**

|                         |          |    |     |     |    |    |       |  |
|-------------------------|----------|----|-----|-----|----|----|-------|--|
| PROJECT MANAGER         | \$216.26 | 68 | 940 | 108 | 80 | 20 | 1,523 |  |
| PROJECT ADMINISTRATOR   | \$132.14 |    |     |     |    |    |       |  |
| ENVIRONMENTAL PLANNER   | \$127.29 |    |     |     |    |    |       |  |
| TECHNICAL EDITOR        | \$105.31 |    |     |     |    |    |       |  |
| ADMIN ASST./STAFF ASST. | \$88.30  |    |     |     |    |    |       |  |
| GRAPHICS                | \$69.50  |    |     |     |    |    |       |  |

|  | 307       | 68        | 940       | 108       | 80        | 20        | 1,523        | HOURS     | COST             |
|--|-----------|-----------|-----------|-----------|-----------|-----------|--------------|-----------|------------------|
| <b>Total Manhours</b>  | <b>80</b> | <b>40</b> | <b>20</b> | <b>40</b> | <b>20</b> | <b>80</b> | <b>1,523</b> | <b>80</b> | <b>\$ 17,301</b> |
| 1.0 Project Management   | 80        |           |           |           |           |           |              | 80        | \$ 17,301        |
| 1.1 Project Administration and Control                                 |           |           |           |           |           |           |              |           |                  |
| 1.2 Project Meetings   | 40        |           |           |           | 40        | 20        |              | 60        | \$ 4,922         |
| 4.2 Noise Study  | 4         |           |           |           |           |           |              | 4         | \$ 8,650         |
| 4.3 Noise Abatement Decision Report                                    | 4         |           |           |           |           |           |              | 4         | \$ 865           |
| 4.4 Air Quality Study  | 4         |           |           |           |           |           |              | 4         | \$ 865           |
| 4.5 Visual Technical Memorandum  | 4         |           |           |           |           |           |              | 4         | \$ 865           |
| 4.6 Phase I Initial site Assessment (ISA)                              | 4         |           |           |           |           |           |              | 4         | \$ 865           |
| 4.7 Water Quality Assessment Report (WQAR)                             | 4         |           |           |           |           |           |              | 4         | \$ 865           |
| 4.8 Location Hydraulics Study & Summary Floodplain Encroachment Report | 2         |           |           |           |           |           |              | 2         | \$ 433           |
| 4.9 Asbestos, Lead-Based Paint, and Aerially Deposited Lead Memorandum | 3         |           |           |           |           |           |              | 3         | \$ 649           |
| 4.10 Biological Studies  | 6         |           |           |           |           |           |              | 6         | \$ 1,298         |
| 4.11 Cultural Resource Studies   | 6         |           |           |           |           |           |              | 6         | \$ 1,298         |
| 5.1 Prepare Draft Environmental Document                               | 60        | 48        | 600       | 60        | 20        |           |              | 788       | \$ 103,778       |
| 5.2 Public Circulation of Draft Environmental Document                 | 4         |           |           |           |           |           |              | 4         | \$ 865           |
| 5.3 Public Outreach  | 10        |           |           |           |           |           |              | 10        | \$ 2,163         |
| 5.4 Responses to Comments on Draft Environmental Document              | 24        |           | 40        | 24        | 8         |           |              | 96        | \$ 13,516        |
| 6.3 Final Environmental Document                                       | 48        | 20        | 300       | 24        | 12        |           |              | 404       | \$ 54,798        |

**SUBCONSULTANT FEE PROPOSAL WORKSHEET**

|   |  |                                   |
|---|--|-----------------------------------|
| COMPANY:<br><b>Value Management Strategies, Inc.</b>    | SCOPE OF WORK:<br><b>Value Engineering</b> | PHASE:<br><b>Phase I</b>          |
| PROJECT:<br><b>I-10/Monroe Interchange Improvements</b> |  | DATE:<br><b>November 16, 2017</b> |

**DIRECT LABOR**

| PERSONNEL          | POSITION            | HOURS |   | RATE     | AMOUNT     |                           |                    |
|--------------------|---------------------|-------|---|----------|------------|---------------------------|--------------------|
| R Terry Hays       | Principal-QA/QC     | 8     | @ | \$120.00 | \$960.00   |                           |                    |
| Cheryl Kramer      | Project Coordinator | 12    | @ | \$55.86  | \$670.32   |                           |                    |
| Fred Kolano        | CVS Team Leader     | 126   | @ | \$74.28  | \$9,359.28 |                           |                    |
| Jessica Combs      | Technical Editor    | 44    | @ | \$32.45  | \$1,427.80 |                           |                    |
| <b>TOTAL HOURS</b> |                     |       |   |          | <b>190</b> | <b>TOTAL DIRECT LABOR</b> | <b>\$12,417.40</b> |

**MULTIPLIERS**

|                          |         |                                |                    |
|--------------------------|---------|--------------------------------|--------------------|
| ESCALATION @             |         | (of Direct Labor)              |                    |
| OVERHEAD @               | 173.98% | (of Direct Labor + Escalation) | \$21,603.79        |
| PAYROLL ADDITIVES @      |         | (of Direct Labor + Escalation) |                    |
| PROFIT (FIXED FEE)       | 10.0%   |                                | \$3,402.12         |
| <b>TOTAL MULTIPLIERS</b> |         |                                | <b>\$25,005.91</b> |

**OTHER DIRECT COSTS**

\*\*\* Billed at Actual Cost \*\*\*

| ITEM  | QUANTITY | UNIT | UNIT COST | AMOUNT            |
|---|----------|------|-----------|-------------------|
| Travel/Mileage                              |          |      | \$0.54    |                   |
| Reproductions                               | 6        | @    | \$100.00  | \$600.00          |
| Shipping                                    | 1        | @    | \$150.00  | \$150.00          |
| Airfare; Prestudy, study and implementation | 3        | @    | \$700.00  | \$2,100.00        |
| Airport Transportation                      | 3        | @    | \$100.00  | \$300.00          |
| Rental Car                                  | 7        | @    | \$70.00   | \$490.00          |
| Meals                                       | 7        | @    | \$64.00   | \$448.00          |
| Hotel                                       | 7        | @    | \$175.00  | \$1,225.00        |
| <b>TOTAL ODC'S</b>                          |          |      |           | <b>\$5,313.00</b> |

**TOTAL \$42,736.31**

**SUBCONSULTANT MANHOUR WORKSHEET SUMMARY**

|   |  |  |                                   |
|---|--|--|-----------------------------------|
| COMPANY:<br><b>Value Management Strategies, Inc.</b>    |  | SCOPE OF WORK:<br><b>Value Engineering</b> | PHASE:<br><b>All Phases</b>       |
| PROJECT:<br><b>I-10/Monroe Interchange Improvements</b> |  |  | DATE:<br><b>November 16, 2017</b> |

| TASK | PRINCIPAL-GRG | PROJECT COORDINATOR | CYS TEAM LEADER | TECHNICAL EDITOR | HOURS |
|------|---------------|---------------------|-----------------|------------------|-------|
|      |               |                     |                 |                  |       |
|      |               |                     |                 |                  |       |
|      |               |                     |                 |                  |       |
|      |               |                     |                 |                  |       |
|      |               |                     |                 |                  |       |

\$361.65 \$168.35 \$223.86 \$97.80

|                     |   |    |     |    |     |
|---------------------|---|----|-----|----|-----|
| <b>PHASE TOTALS</b> | 8 | 12 | 126 | 44 | 190 |
|---------------------|---|----|-----|----|-----|

|           |   |    |     |    |     |
|-----------|---|----|-----|----|-----|
| PHASE I   | 8 | 12 | 126 | 44 | 190 |
| PHASE II  |   |    |     |    |     |
| PHASE III |   |    |     |    |     |
| PHASE IV  |   |    |     |    |     |

**SUBCONSULTANT MANHOUR WORKSHEET**

COMPANY: Value Management Strategies, Inc.

PROJECT: I-10/Monroe Interchange Improvements

SCOPE OF WORK: Value Engineering

PHASE

Phase I

DATE:

November 16, 2017

| TASK | PRINCIPAL O&G | PROJECT COORDINATOR | C/IS TEAM LEADER | TECHNICAL ENGINEER | HOURS | COST |
|------|---------------|---------------------|------------------|--------------------|-------|------|
|      |               |                     |                  |                    | 190   |      |

\$361.65 \$166.35 \$223.86 \$57.80

Total Manhours

2.5 Value Analysis

|   |    |     |    |  |  |  |     |
|---|----|-----|----|--|--|--|-----|
| 8 | 12 | 126 | 44 |  |  |  | 190 |
|---|----|-----|----|--|--|--|-----|

|   |    |     |    |  |  |  |     |           |
|---|----|-----|----|--|--|--|-----|-----------|
| 8 | 12 | 126 | 44 |  |  |  | 190 | \$ 37,423 |
|---|----|-----|----|--|--|--|-----|-----------|