

AGUIRRE & FIELDS, LP

By: _____

Date

CITY OF ROUND ROCK

APPROVED AS TO FORM:

By: _____
Craig Morgan, Mayor

Stephan L. Sheets, City Attorney

Date

ADDENDUM TO EXHIBIT B

Engineering Services

This contract consists of providing engineering services required for the preparation of plans, specifications and estimates (PS&E) and related supporting documents for the construction of Logan Street in Round Rock, TX on new location. The project limits will begin at Greenlawn Boulevard and end at A.W. Grimes Boulevard with transitions as necessary beyond those intersections to accommodate the traffic control plan or other miscellaneous work. Logan Street will consist of an average 65 foot right-of-way, 37 feet of pavement, a bridge structure, retaining walls, curb and gutter, a sidewalk on both sides of the road, illumination and landscaping as necessary to revise or tie into existing trail and landscaping. These services include preparing roadway design, hydrologic and hydraulic design, structural design, environmental documentation, public involvement, geotechnical investigation and survey necessary to support the design process. These services will include utility identification, the development of a utility conflict matrix and attendance at the city's monthly utility coordination meeting as necessary. These services include utility conflict coordination assistance but any new utility or utility relocation services are not included.

The initial design scope for this Project did not include FEMA floodplain modifications for Dry Branch Tributary 1. After the initial plan review, the City of Round Rock Flood Plain administrator requested a CLOMR/LOMR be submitted to FEMA because of the potential increase in water surface elevations created by the proposed bridge piers within the Tributary. The Engineer has also been requested to provide bid phase services and additional construction phase services that were not included in the original contract.

1) Drainage (FC161)

a) Conditional Letter of Map Revision (CLOMR) Submittal

- i) Prepare CLOMR submittal package for Dry Branch Tributary 1 for the 10-year, 50-year, 100-year, 500-year, and Ultimate 100-year frequency storm events based on the Upper Brushy Creek preliminary FEMA models provided by the City. These models are considered to be the best available data at this time.
- ii) Prepare effective, corrected effective, pre-project, and post project hydrology and hydraulic models, and run CHECK-RAS for all HEC-RAS models.
- iii) Prepare exhibits and tables showing floodplain tie-in points upstream and downstream of the proposed project.
- iv) Update flood profiles, hydrology and floodway data tables in the FIS as needed.
- v) Prepare MT-2 FEMA forms for CLOMR submittal to City and FEMA.
- vi) Environmental Assessment to be provided by Aguirre & Fields for inclusion with the CLOMR submittal.
- vii) Final proposed plans to be provided by Aguirre & Fields for inclusion with the CLOMR submittal.
- viii) Submit CLOMR to City Floodplain Administrator for review and approval. This scope assumes one (1) meeting with the City Floodplain Administrator.
- ix) Submit CLOMR to FEMA for review and approval. A FEMA review fee is required upon submittal to FEMA and will be submitted on Half's invoice as a pass-through expense to be paid by the City.
- x) Coordinate up to two (2) iterations with FEMA reviewers.

b) Letter of Map Revision (LOMR) Submittal

- i) Prepare LOMR submittal package for Dry Branch Tributary 1 for the 10-year, 50-year, 100-year, 500-year, and ultimate 100-year frequency storm events based on the Upper Brushy Creek preliminary FEMA models provided by the City. These models are considered to be the best available data at this time.
- ii) As-built record plans to be provided by Aguirre & Fields for inclusion with the LOMR submittal.
- iii) Prepare effective, corrected effective, pre-project, and post project hydrology and hydraulic models and run cHECK-RAS for all HEC-RAS models.
- iv) Prepare exhibits and tables showing floodplain tie-in points upstream and downstream of the proposed project.
- v) Update flood profiles, hydrology and floodway data tables in the FIS as needed.
- vi) Prepare MT-2 FEMA forms for LOMR submittal to City and FEMA.
- vii) Submit LOMR to City Floodplain Administrator for review and approval. This scope assumes one (1) meeting with the City Floodplain Administrator.
- viii) Submit LOMR to FEMA for review and approval. A FEMA review fee is required upon submittal to FEMA and will be submitted on Half's invoice as a pass-through expense to be paid by the City.
- ix) Coordinate up to two (2) iterations with FEMA reviewers.

2) Project Management and Administration (FC 164)

a) General Contract Administration

- i) The Engineer has provided for additional coordination
- ii) Prepare invoices and monthly written progress reports for the project.
- iii) Project coordination with the City to include documenting correspondence and meeting minutes.
- iv) Prepare, distribute and file both written and electronic project correspondence.

b) Bid Phase Services

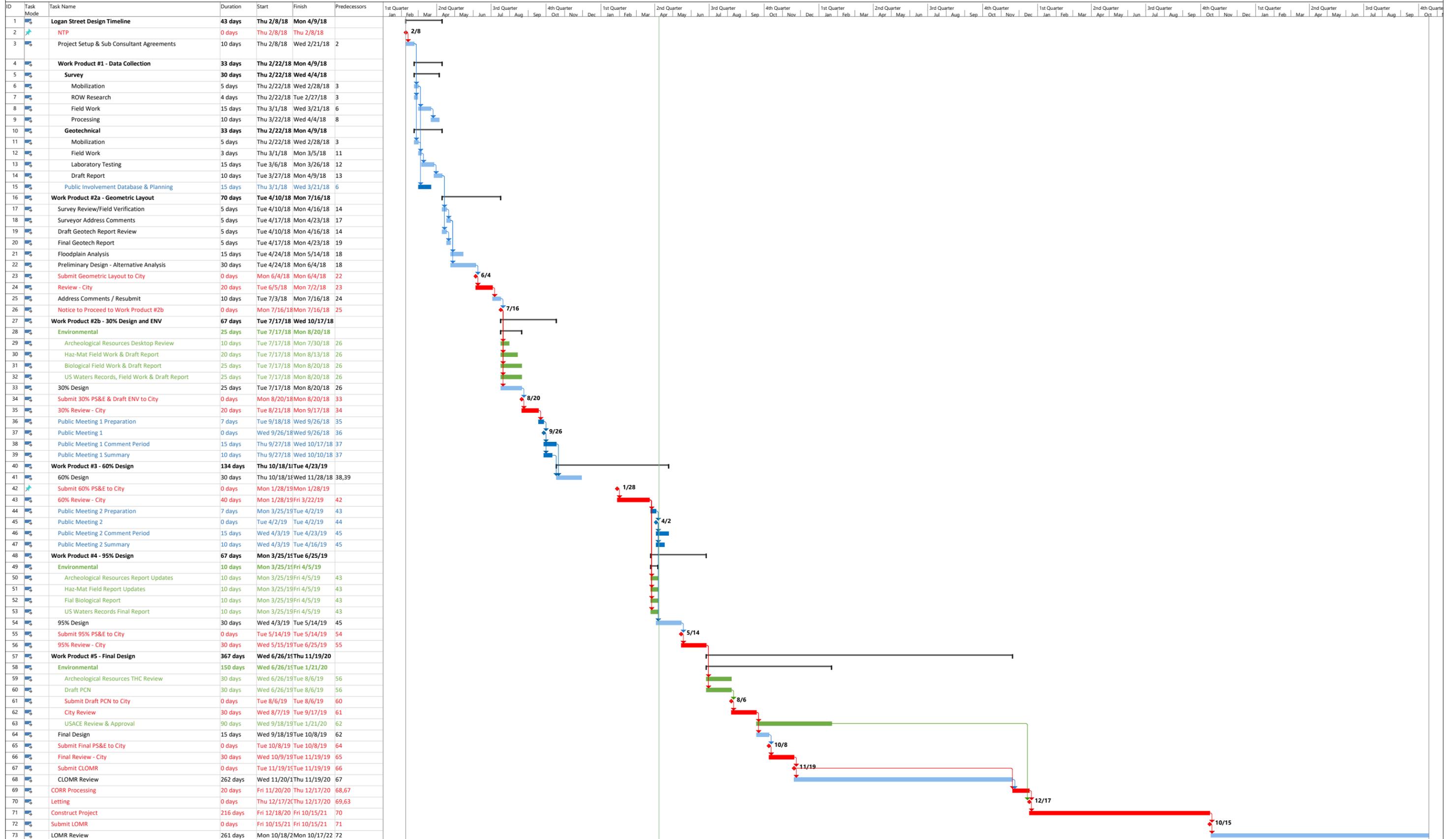
- i) The Engineer shall provide bid phase services documents and attend meetings.
 - (1) Create Project Manual (Bid form, Project specs, Special specs etc.)
 - (2) Prepare Addenda as needed
 - (3) Answer Contractor questions and prepare Q&A
 - (4) Attend Pre-Construction meeting and bid opening
 - (5) Prepare bid analysis and provide recommendation

3) Project Management and Construction Phase Services (FC 309)

- i) The Engineer has provided for an additional hour per month for coordination with CORR and sub-consultants
- ii) The Engineer shall provide construction phase services documents and attend meetings.
 - (1) Attend up to 15 weekly meetings
 - (2) Create and submit 1 electronic set of As-Built plans
 - (3) Review up to 10 pay apps
 - (4) RFI responses and documentation
 - (5) Minor redesign (if needed)
 - (6) Attend final walk through/ punch list

ADDENDUM TO EXHIBIT C
Work Schedule

Attached Behind This Page



ADDENDUM TO EXHIBIT D
Fee Schedule

Attached Behind This Page

Project Name: Logan Street PS&E

| Task | Total Labor Hours | Total Loaded Labor Cost | Other Direct Costs | Subconsultants | TOTALS |
|---|--------------------------|--------------------------------|---------------------------|-----------------------|--------------------|
| FC 110: Route and Design Studies | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| FC 130: ROW Data and Utilities | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| FC 150: Surveying | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| FC 160: Roadway Design Controls | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| FC 161: Drainage, Water Quality, Geologic Assessment | 0 | \$0.00 | \$0.00 | \$29,250.00 | \$29,250.00 |
| FC 162: Signing and Pavement Markings | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| FC 163: Miscellaneous (Roadway) | 0 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| FC 164: Project Management (coordination, meetings, accounting, etc.) | 31 | \$5,190.00 | \$0.00 | \$2,250.00 | \$7,440.00 |
| FC 164: Project Management - Bid Phase Services | 52 | \$7,257.00 | \$0.00 | \$0.00 | \$7,257.00 |
| FC 309: Project Management -Construction Phase Services | 160 | \$21,399.00 | \$0.00 | \$2,190.00 | \$23,589.00 |
| Direct Expenses | | \$0.00 | \$399.77 | \$15,270.32 | \$15,670.09 |
| GRAND TOTAL: | 243 | \$33,846.00 | \$399.77 | \$48,960.32 | \$83,206.09 |

METHOD OF PAYMENT: LUMP SUM
PRIME PROVIDER: AGUIRRE & FIELDS, LP

| COMPANY | FEE | % |
|-----------------------------|--------------------|----------------|
| Aguirre & Fields, LP (AFLP) | \$34,245.77 | 41.16% |
| Half Associates (Half) | \$48,960.32 | 58.84% |
| | | |
| | | |
| TOTAL | \$83,206.09 | 100.00% |

| FUNCTION CODE | TASK NAME | AFLP | TWG | Half | TOTAL |
|---------------|----------------------------------|--------------------|-----|--------------------|--------------------|
| FC 160 | ROADWAY DESIGN CONTROLS (FC 160) | | | | \$0.00 |
| FC 161 | DRAINAGE (FC 161) | | | \$29,250.00 | \$29,250.00 |
| FC 162 | SIGNING, PVMT. MARK. (FC162) | | | | \$0.00 |
| FC 163 | MISCELLANEOUS (ROADWAY) (FC 163) | | | | \$0.00 |
| FC 164 | PROJECT MANAGEMENT(FC 164) | \$5,190.00 | | \$2,250.00 | \$7,440.00 |
| FC 164 | BID PHASE SERVICES | \$7,257.00 | | | \$7,257.00 |
| FC 309 | CONSTRUCTION PHASE SERVICES | \$21,399.00 | | \$2,190.00 | \$23,589.00 |
| DIRECT | DIRECT EXPENSES | \$399.77 | | \$15,270.32 | \$15,670.09 |
| | TOTAL | \$34,245.77 | | \$48,960.32 | \$83,206.09 |

PRIME PROVIDER NAME: Aguirre & Fields , LP

| TASK DESCRIPTION | PROJECT MANAGER | PROJECT ENGINEER | ENGINEER IN TRAINING | SENIOR ENGINEER TECHNICIAN | CADD OPERATOR | ADMIN / CLERICAL | TOTAL LABOR HOURS & COSTS | NO OF DWGS | LABOR HRS PER SHEET |
|---|-----------------|------------------|----------------------|----------------------------|---------------|------------------|---------------------------|------------|---------------------|
| FC164 - PROJECT MANAGEMENT AND ADMINISTRATION | | | | | | | | | |
| PROJECT MANAGEMENT & COORDINATION WITH CORR (Additional Time for FEMA) | 2 | 8 | | | | 2 | 12 | N/A | N/A |
| PROJECT MANAGEMENT & COORDINATION WITH SUB CONSULTANTS (Additional time for FEMA) | 2 | 8 | | | | | 10 | N/A | N/A |
| PROJECT MANAGEMENT - TDLR SUBMITTAL | 1 | 6 | | | | 2 | 9 | N/A | N/A |
| HOURS SUB-TOTALS | 5 | 22 | 0 | 0 | 0 | 4 | 31 | | |
| CONTRACT RATE PER HOUR | \$224.00 | \$171.00 | \$109.00 | \$118.00 | \$93.00 | \$77.00 | | | |
| TOTAL LABOR COSTS | \$1,120.00 | \$3,762.00 | \$0.00 | \$0.00 | \$0.00 | \$308.00 | \$5,190.00 | | |
| % DISTRIBUTION OF STAFFING | 16.1% | 71.0% | 0.0% | 0.0% | 0.0% | 12.9% | | | |
| SUBTOTAL (FC164) | | | | | | | \$5,190.00 | | |
| FC164 - PROJECT MANAGEMENT AND BID PHASE SERVICES | | | | | | | | | |
| CREATE PROJECT MANUAL (Bid form, Project specs, Special specs etc.) | 1 | 2 | 24 | | | | 27 | N/A | N/A |
| PREPARE ADDENDA AS NEEDED | 1 | 1 | 2 | | | 2 | 6 | N/A | N/A |
| ANSWER CONTRACTOR QUESTIONS AND PREPARE Q&A | 2 | | | | | | 2 | N/A | N/A |
| ATTEND PRE-CONSTRUCTION MEETING AND BID OPENING | 4 | 4 | | | | | 8 | N/A | N/A |
| PREPARE BID ANALYSIS AND PROVIDE RECOMMENDATION | 1 | 4 | 2 | | | 2 | 9 | N/A | N/A |
| HOURS SUB-TOTALS | 9 | 11 | 28 | 0 | 0 | 4 | 52 | | |
| CONTRACT RATE PER HOUR | \$224.00 | \$171.00 | \$109.00 | \$118.00 | \$93.00 | \$77.00 | | | |
| TOTAL LABOR COSTS | \$2,016.00 | \$1,881.00 | \$3,052.00 | \$0.00 | \$0.00 | \$308.00 | \$7,257.00 | | |
| % DISTRIBUTION OF STAFFING | 17.3% | 21.2% | 53.8% | 0.0% | 0.0% | 7.7% | | | |
| SUBTOTAL (FC164) | | | | | | | \$7,257.00 | | |
| TASK DESCRIPTION | PROJECT MANAGER | PROJECT ENGINEER | ENGINEER IN TRAINING | SENIOR ENGINEER TECHNICIAN | CADD OPERATOR | ADMIN / CLERICAL | TOTAL LABOR HOURS & COSTS | NO OF DWGS | LABOR HRS PER SHEET |
| FC309 - PROJECT MANAGEMENT AND CONSTRUCTION PHASE SERVICES | | | | | | | | | |
| PROJECT MANAGEMENT & COORDINATION WITH CORR (1 hour per month) | 2 | 5 | | | | 3 | 10 | N/A | N/A |
| PROJECT MANAGEMENT & COORDINATION WITH SUB CONSULTANTS | 2 | 5 | | | | 3 | 10 | N/A | N/A |
| ATTEND WEEKLY MEETINGS (15 meetings @ 1 hour each) | | 15 | 15 | | | | 30 | N/A | N/A |
| CREATE AND SUBMIT AS-BUILT PLANS | 1 | 2 | 12 | | 24 | 1 | 40 | N/A | N/A |
| REVIEW PAY APPS (up to 10 @1.5 hours each) | 1 | 4 | 10 | | | 1 | 16 | N/A | N/A |
| RFI RESPONSES AND DOCUMENTATION (up to 5 @ 1.5 hours each) | 2 | 5 | | | | | 7 | | |
| MINOR REDESIGN (If needed) | 4 | 12 | 8 | | 16 | | 40 | | |
| FINAL WALK THROUGH/PUNCH LIST | 3 | 3 | | | | 1 | 7 | N/A | N/A |
| HOURS SUB-TOTALS | 15 | 51 | 45 | 0 | 40 | 9 | 160 | | |
| CONTRACT RATE PER HOUR | \$224.00 | \$171.00 | \$109.00 | \$118.00 | \$93.00 | \$77.00 | | | |
| TOTAL LABOR COSTS | \$3,360.00 | \$8,721.00 | \$4,905.00 | \$0.00 | \$3,720.00 | \$693.00 | \$21,399.00 | | |
| % DISTRIBUTION OF STAFFING | 9.4% | 31.9% | 28.1% | 0.0% | 25.0% | 5.6% | | | |
| SUBTOTAL (FC309) | | | | | | | \$21,399.00 | | |

| DESCRIPTION | | | | | TOTAL MH BY FC | TOTAL COSTS BY FC |
|--|-------------|-------------------|------------------|--|----------------|--------------------|
| FC110 - ROUTE & DESIGN STUDIES | | | | | 0 | \$0.00 |
| FC120 - ENVIRONMENTAL STUDIES & PUBLIC INVOLVEMENT | | | | | 0 | \$0.00 |
| FC130 - RIGHT OF WAY DATA | | | | | 0 | \$0.00 |
| FC160 - ROADWAY DESIGN CONTROLS | | | | | 0 | \$0.00 |
| FC162 - SIGNING, PVMT. MARKING, & SIGNAL | | | | | 0 | \$0.00 |
| FC163 - MISCELLANEOUS (ROADWAY) | | | | | 0 | \$0.00 |
| FC164 - PROJECT MANAGEMENT AND ADMINISTRATION | | | | | 31 | \$5,190.00 |
| FC164 - PROJECT MANAGEMENT AND BID PHASE SERVICES | | | | | 52 | \$7,257.00 |
| FC309 - PROJECT MANAGEMENT AND CONSTRUCTION PHASE SERVICES | | | | | 160 | \$21,399.00 |
| SUBTOTAL LABOR EXPENSES | | | | | 243 | \$33,846.00 |
| OTHER DIRECT EXPENSES | UNIT | # OF UNITS | COST/UNIT | | | |
| Mileage (18 miles RT x 17 trips) | mile | 306 | \$0.545 | | | \$166.77 |
| Standard Postage | letter | | \$0.49 | | | \$0.00 |
| Photocopies B/W (8 1/2" X 11") | each | 260 | \$0.10 | | | \$26.00 |
| Photocopies B/W (11" X 17") - 80 sheets | each | 160 | \$0.20 | | | \$32.00 |
| TDLR Submittal Fee | each | 1 | \$175.00 | | | \$175.00 |
| SUBTOTAL DIRECT EXPENSES | | | | | | \$399.77 |
| SUBCONTRACTS: | | | | | | |
| SUBCONTRACT SUB-TOTAL | | | | | | \$48,960.32 |

| SUMMARY | |
|---|--------------------|
| TOTAL COSTS FOR PRIME ONLY | \$33,846.00 |
| NON-SALARY (OTHER DIRECT EXPENSES) FOR PRIME ONLY | \$399.77 |
| SUBCONTRACTS (includes labor costs and direct expenses) | \$48,960.32 |
| GRAND TOTAL | \$83,206.09 |

\$48,960.32
 SUB PROVIDER NAME: Half & Associates.

| TASK DESCRIPTION | PROJECT MANAGER | SENIOR PE ENGINEER | PE ENGINEER | ENGINEER IN TRAINING | CADD OPERATOR | ADMIN/CLERICAL | TOTAL LABOR HOURS & COSTS |
|----------------------------|-----------------|--------------------|-------------|----------------------|---------------|----------------|---------------------------|
| FC161 - DRAINAGE | | | | | | | |
| 1. CLOMR Submittal | 5 | | 30 | 85 | 5 | 10 | 135 |
| 2. LOMR Submittal | 5 | | 20 | 75 | 5 | 10 | 115 |
| | | | | | | | |
| | | | | | | | |
| HOURS SUB-TOTALS | 10 | 0 | 50 | 160 | 10 | 20 | 250 |
| CONTRACT RATE PER HOUR | \$225.00 | \$190.00 | \$145.00 | \$110.00 | \$85.00 | \$65.00 | |
| TOTAL LABOR COSTS | \$2,250.00 | \$0.00 | \$7,250.00 | \$17,600.00 | \$850.00 | \$1,300.00 | \$29,250.00 |
| % DISTRIBUTION OF STAFFING | 4.0% | 0.0% | 20.0% | 64.0% | 4.0% | 8.0% | |
| | | | | | | | |
| SUBTOTAL (FC161) | | | | | | | \$29,250.00 |

| TASK DESCRIPTION | PROJECT MANAGER | SENIOR PE ENGINEER | PE ENGINEER | ENGINEER IN TRAINING | CADD OPERATOR | ADMIN/CLERICAL | TOTAL LABOR HOURS & COSTS |
|--|-----------------|--------------------|-------------|----------------------|---------------|----------------|---------------------------|
| FC164 - PROJECT MANAGEMENT AND ADMINISTRATION | | | | | | | |
| General Project Coordination | 10 | | | | | | 10 |
| | | | | | | | |
| | | | | | | | |
| HOURS SUB-TOTALS | 10 | 0 | 0 | 0 | 0 | 0 | 10 |
| CONTRACT RATE PER HOUR | \$225.00 | \$190.00 | \$145.00 | \$110.00 | \$85.00 | \$65.00 | |
| TOTAL LABOR COSTS | \$2,250.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$2,250.00 |
| % DISTRIBUTION OF STAFFING | 100.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| | | | | | | | |
| SUBTOTAL (FC164) | | | | | | | \$2,250.00 |

| TASK DESCRIPTION | PROJECT MANAGER | SENIOR PE ENGINEER | PE ENGINEER | ENGINEER IN TRAINING | CADD OPERATOR | ADMIN/CLERICAL | TOTAL LABOR HOURS & COSTS |
|---|-----------------|--------------------|-------------|----------------------|---------------|----------------|---------------------------|
| FC309 - PROJECT MANAGEMENT AND CONSTRUCTION PHASE SERVICES | | | | | | | |
| Construction Phase Services (RFI, Site Visit, Final Walk Through) | | | 6 | 12 | | | 18 |
| | | | | | | | 0 |
| | | | | | | | 0 |
| HOURS SUB-TOTALS | 0 | 0 | 6 | 12 | 0 | 0 | 18 |
| CONTRACT RATE PER HOUR | \$225.00 | \$190.00 | \$145.00 | \$110.00 | \$85.00 | \$65.00 | |
| TOTAL LABOR COSTS | \$0.00 | \$0.00 | \$870.00 | \$1,320.00 | \$0.00 | \$0.00 | \$2,190.00 |
| % DISTRIBUTION OF STAFFING | 0.0% | 0.0% | 33.3% | 66.7% | 0.0% | 0.0% | |
| | | | | | | | |
| SUBTOTAL (FC164) | | | | | | | \$2,190.00 |

| DESCRIPTION | | | | | | | TOTAL COSTS BY FC |
|---|-------------------|------------------|--|--|--|--|--------------------|
| FC 161 - DRAINAGE | | | | | | | \$29,250.00 |
| FC 164 - PROJECT MANAGEMENT AND ADMINISTRATION | | | | | | | \$2,250.00 |
| FC 309 - CONSTRUCTION PHASE SERVICES | | | | | | | \$2,190.00 |
| SUBTOTAL LABOR EXPENSES | | | | | | | \$33,690.00 |
| OTHER DIRECT EXPENSES | # OF UNITS | COST/UNIT | | | | | |
| Mileage (18 miles RT x 4 trips) | 72 | \$0.560 | | | | | \$40.32 |
| Shipping | 4 | \$40.000 | | | | | \$160.00 |
| Photocopies B/W (8 1/2" X 11") | 400 | \$0.10 | | | | | \$40.00 |
| Photocopies B/W (11" X 17") (AT 60%, 95%, & FINAL Submittals) | 150 | \$0.20 | | | | | \$30.00 |
| FEMA C/LOMR Technical Review Fees | 1 | \$15,000.00 | | | | | \$15,000.00 |
| | | | | | | | |
| SUBTOTAL DIRECT EXPENSES | | | | | | | \$15,270.32 |

| SUMMARY | |
|---|--------------------|
| TOTAL COSTS FOR SUB ONLY | \$33,690.00 |
| NON-SALARY (OTHER DIRECT EXPENSES) FOR SUB ONLY | \$15,270.32 |
| GRAND TOTAL | \$48,960.32 |