

BKF No. P20181032-01
11/19/2018

SCOPE OF WORK

BKF Engineers welcomes the opportunity to submit this scope of work for following services related to the City of Merced Request for Qualification (On-Call) contract. BKF and its sub-consultant(s) are capable to response to the following tasks:

GENERAL CIVIL ENGINEERING:

1. Provide construction plans and specifications of various road projects.
2. Provide construction plans and specifications for various utility projects (i.e. water, sewer, storm, etc.).
3. Provide construction support/inspection on various projects.
4. Provide alignment studies and cost estimates.
5. Prepare application for various grants.
6. Prepare various studies that is related to roads, water, sewer, and storm drains.
7. Assist with regulatory compliance and negotiation with Federal, State, and other agencies as necessary.
8. Manage sub-consultant to complete the projects (geotechnical, traffic, environmental, etc.).

SURVEY:

1. Prepare topographic and planimetric survey of proposed City projects, including all underground utility location(s) based on USA markings, digital terrain modeling for contour interpolation, profile, cross-section, and earthwork volume calculations
2. Prepare drawings of the survey based on the latest AutoCAD version (2010 or newer).
3. Provide land records research for boundary determination of existing and proposed City properties and right-of-way.
4. Recover existing monuments, including monuments (section corners, etc.) property corners, right-of-way monuments, and benchmark.
5. Provide retracement surveys.
6. Re-establish lost or obliterated corners.
7. Re-establish control points.
8. Provide construction staking as needed.
9. Provide record filing including, but not limited to, corner records, record of survey, etc.

TRAFFIC ENGINEER:

1. Provide construction plans and specifications for traffic signals and phasing.
2. Prepare railroad pre-emption studies as necessary.
3. Provide transportation planning.
4. Prepare traffic safety and traffic studies.
5. Analyze traffic safety and traffic studies prepared by other consultants for development projects.
6. Conduct traffic counts and speed studies.
7. Coordinate with the California Public Utilities Commission (CPUC) and other agencies as necessary to obtain approval(s) for various projects.
8. Prepare pre-emption timing.
9. Traffic cards.
10. Signal coordination

PROFESSIONAL PERSONNEL SERVICE FEES
JANUARY 1, 2018 - DECEMBER 31, 2022

PERSONNEL	2018	Projected Rates			
		2019	2020	2021	2022
ENGINEERING					
Senior Associate Engineer	\$212	\$218	\$225	\$232	\$239
Associate Engineer	\$206	\$212	\$219	\$225	\$232
Senior Project Manager	\$202	\$208	\$214	\$221	\$227
Project Manager	\$197	\$203	\$209	\$215	\$222
Engineer IV	\$182	\$187	\$193	\$199	\$205
Engineer III	\$168	\$173	\$178	\$184	\$189
Engineer II	\$148	\$152	\$157	\$162	\$167
Engineer I	\$129	\$133	\$137	\$141	\$145
Engineering Assistant	\$79	\$81	\$84	\$86	\$89
Junior Engineer	\$67	\$69	\$71	\$73	\$75
PLANNING					
Planner IV	\$182	\$187	\$193	\$199	\$205
Planner III	\$168	\$173	\$178	\$184	\$189
Planner II	\$148	\$152	\$157	\$162	\$167
Planner I	\$129	\$133	\$137	\$141	\$145
SURVEYING					
Senior Associate Surveyor	\$212	\$218	\$225	\$232	\$239
Associate Surveyor	\$206	\$212	\$219	\$225	\$232
Senior Project Manager	\$202	\$208	\$214	\$221	\$227
Project Manager	\$197	\$203	\$209	\$215	\$222
Surveyor IV	\$181	\$186	\$192	\$198	\$204
Surveyor III	\$168	\$173	\$178	\$184	\$189
Surveyor II	\$148	\$152	\$157	\$162	\$167
Surveyor I	\$129	\$133	\$137	\$141	\$145
Survey Party Chief	\$169	\$174	\$179	\$185	\$190
Survey Chainman	\$109	\$112	\$116	\$119	\$123
Apprentice IV	\$105	\$108	\$111	\$115	\$118
Apprentice III	\$99	\$102	\$105	\$108	\$111
Apprentice II	\$90	\$93	\$95	\$98	\$101
Apprentice I	\$67	\$69	\$71	\$73	\$75
Instrumentman	\$145	\$149	\$154	\$158	\$163
Surveying Assistant	\$79	\$81	\$84	\$86	\$89
Junior Surveyor	\$67	\$69	\$71	\$73	\$75
Utility Locating Superintendent	\$170	\$175	\$180	\$186	\$191
Utility Locator III	\$149	\$153	\$158	\$163	\$168
Utility Locator II	\$124	\$128	\$132	\$135	\$140
Utility Locator I	\$88	\$91	\$93	\$96	\$99
BIM Specialist III	\$168	\$173	\$178	\$184	\$189
BIM Specialist II	\$148	\$152	\$157	\$162	\$167
BIM Specialist I	\$129	\$133	\$137	\$141	\$145
DESIGN AND DRAFTING					
Technician IV	\$155	\$160	\$164	\$169	\$174
Technician III	\$143	\$147	\$152	\$156	\$161
Technician II	\$131	\$135	\$139	\$143	\$147
Technician I	\$123	\$127	\$130	\$134	\$138
Drafter IV	\$127	\$131	\$135	\$139	\$143
Drafter III	\$114	\$117	\$121	\$125	\$128
Drafter II	\$106	\$109	\$112	\$116	\$119
Drafter I	\$96	\$99	\$102	\$105	\$108
CONSTRUCTION ADMINISTRATION/QSP-QSD					
Sr. Construction Administrator	\$191	\$197	\$203	\$209	\$215
Resident Engineer	\$142	\$146	\$151	\$155	\$160
Field Engineer III	\$168	\$173	\$178	\$184	\$189
Field Engineer II	\$148	\$152	\$157	\$162	\$167
Field Engineer I	\$129	\$133	\$137	\$141	\$145
Senior Consultant	\$221	\$228	\$234	\$241	\$249
SERVICES AND EXPENSES					
Project Assistant	\$79	\$81	\$84	\$86	\$89
Clerical/Admin. Assistant	\$67	\$69	\$71	\$73	\$75
Delivery Services	\$35	\$36	\$37	\$38	\$39
PRINCIPAL IN CHARGE	\$237	\$244	\$251	\$259	\$267

Charges for outside services, equipment, and facilities not furnished directly by BKF Engineers will be billed at cost plus 10%. Such charges may include, but shall not be limited to printing and reproduction services; shipping, delivery, and courier charges; subconsultant fees and expenses; special fees, permits, and insurance; transportation on public carriers, meals, and lodging; and consumable materials. Mileage will be charged at the prevailing IRS rate per mile. Monthly invoices are due within 30 days from invoice date. Interest will be charged at 0.833% per month on past due accounts. Expert witness/litigation rates are available upon request.