

EXHIBIT A

Alley PMS 2019

SCOPE OF SERVICES

Construction Management & Materials Testing Services

1. PROJECT: The work will involve the following:

1. Demolition and re-construct the Circle L alley from 2nd to 3rd Streets between Emerson and Osborn Avenues (approx. 305 LF). Some minor sidewalk and curb & gutter removal and replacement along 2nd Street is also included.

2. SCOPE OF WORK: Provide professional engineering services to the City of Gillette. The services will include construction management and materials testing services. The work will proceed through the following steps:

Construction Management Services (25 Working Days) – Inberg-Miller Engineers will provide full time construction management for the project. The services will include observation, submitting daily and weekly reports, construction staking, materials testing, contractor pay requests, change orders, project close out and general administration of the work. Record drawings will be provided at the completion of the project.

EXHIBIT B

Alley PMS 2019

PROJECT SCHEDULE

SCHEDULE: The following schedule is proposed, assuming that the consultant would be given a notice to proceed on or about March 19th, 2019:

Activity	Start	End
Advertise	2/1/2019	2/15/2019
Bid Opening, City Council Award	2/19/2019	2/15/2019
Engr. CM Contract Approved by City	3/19/2019	
Contractor Start	April 1 to May 13	
Contractor End (20 Work Days)		May 3 to June 14
Record Drawings to City		May 24 to July 5

EXHIBIT C

Alley PMS 2019

FURTHER DESCRIPTION OF BASIC ENGINEERING SERVICES

Construction Management Phase (20 Days to Substantial Completion and 5 More Days to Final Completion, 25 Working Days Total)

- 1 - Arrange and attend a pre-construction meeting with the contractor and City Engineering staff.
- 2 - Provide needed staking and stationing.
- 3 - Provide full time Resident Project Representatives (RPR's) for the project. The RPR's duties shall include representing the engineer onsite, review of schedules and shop drawings, keep records, prepare required reports, verify quantities for pay requests, attend meetings and be engineer's liaison with the contractor. The RPR shall not exceed the Engineer's authority as set forth in the Owner Engineer Agreement.
- 4 - Review all submittals for compliance to City and project specifications.
- 5 - Monitor and provide quality assurance / materials testing.
- 6 - Submit record drawings of the project no later than 21 days after City acceptance.

SCHEDULE OF FEES & AVAILABLE SERVICES

EFFECTIVE JULY 1, 2018

PERSONNEL

Clerical	\$55.00 /Hour
Engineering Technician/Survey Technician I – VII	\$55.00 to \$85.00 /Hour
Project Support	\$80.00 /Hour
CAD Drafting Technician I - III	\$75.00 to \$95.00 /Hour
Staff Engineer/Scientist I – III	\$75.00 to \$95.00 /Hour
GPS Technician/Party Chief I – III	\$85.00 to \$95.00 /Hour
Drilling Manager	\$100.00 /Hour
Senior Staff Engineer/Scientist I – III	\$100.00 to \$120.00 /Hour
2-Person Survey Crew	\$130.00 /Hour
Professional Land Surveyor I - III	\$115.00 to \$135.00 /Hour
Professional Engineer/Scientist I - VII	\$85.00 to \$145.00 /Hour
Principal	\$165.00/Hour

EQUIPMENT

Vehicle	\$8.00 /Hour	\$50.00 /Day, *plus \$1.00 /Mile
One-Ton Flat Bed Truck	\$10.00 /Hour	\$60.00 /Day,*plus \$1.50 /Mile
Drill Rig (Rubber Tire)		\$2.30 /*Mile
Nuclear Gauge	\$10.00 /Hour	\$50.00 /Day
ATV		\$100.00 /Day
Robotic Total Station	\$40.00 /Hour	\$200.00 /Day
UTV		\$250.00 /Day
GPS/RTK System	\$50.00 /Hour	\$300.00 /Day

*** Fuel Surcharge:** Mileage rate is based on fuel prices as of July 2018 (Source: wyominggasprices.com). If fuel prices increase over 10% from July 2018 rates, the percentage of increase will be added to all mileage rates.

EXPENSES

Additional Hard Copies of Bound Reports (Less Than 100 Pages)	\$35.00 /Copy
Motel, Meals, Prints, Postage, Equipment Rental, Photocopies, and Other Miscellaneous Supplies	Direct Expense, Plus 10%
Subconsultant Services Secured With Client's Approval	Direct Expense, Plus 15%
Communication Expenses	2.5%
All Other Equipment and Materials Not Listed	BY QUOTATION

NOTES:

- All field charges begin at the time of departure and terminate at the time of return to the point of origin and/or place of lodging while away from the principal office, less time off for the convenience of the personnel.
- At client's request, or convenience, these hourly rates will be increased by fifty (50) percent to cover direct additional payroll and payroll-related charges for work requested on Holidays.
- All rates apply to travel time, stand-by time, project management, consultation, and report preparation time, unless noted otherwise.
- Inberg-Miller Engineers will prepare an estimated budget for services based upon client's detailed scope of services, if requested. Please be informed that project management and project support costs are a necessary part of any services provided. Final invoiced amounts may vary from estimated amounts depending on variations in scope, time of performance, and/or changes in anticipated conditions. Any items not specifically listed are by quotation.

Client: City of Gillette

Date Issued: February 17, 2019

CIVIL ENGINEERING.....BY QUOTATION

- Highway Design, Street Design, Grading and Drainage Design
- Solid Waste Planning; Landfill, Baler, and Transfer Station Design and Permitting
- Water System Design, Sanitary Sewer Design, Storm Sewer Design
- Irrigation and Drainage Design, Hydrologic and Hydraulic Analysis
- Residential and Commercial Subdivision Design
- Site Design for Commercial Developments and Schools
- Spill Prevention Control and Countermeasure (SPCC) Plans
- Stormwater Pollution Prevention (SWPPP) Plans
- Mine Permitting and Mine Reclamation Design
- Construction Contract Administration and Construction Observation

GEOTECHNICAL ENGINEERING.....BY QUOTATION

FIELD SERVICES

- Subsurface Exploration, Contract Drilling, Direct Push Exploration, Rock Coring
- Drilling and Sampling (Small, Medium and Large Diameter Test Borings)
- Foundation Analysis and Design Recommendations
- Earth Dam & Reservoir Design and Reconnaissance, Slope Stability Analysis
- Explorations for Roadway; Borrow Sources and Aggregate Sources on Highway Construction
- Monitor Well Installation, Development, Purging, Sampling, Abandonment
- Field Sampling and Testing of Soil, Groundwater, and Air
- Ground Water Pumping/Drawdown Tests, Permeability/Density of In-Place Soil

LABORATORY SERVICES

- Moisture-Density Relations of Soils, Particle Size Analyses, Soil Index Tests
- Soil Classification, Strength Tests, Volume Change, California Bearing Ratio Test
- Triaxial Shear Strength Tests, Permeability Tests, Corrosivity Tests (Soil)
- Analytical Testing of Soil and Ground Water Samples, Packaging and Handling of Samples
- Mobile Laboratory

CONSTRUCTION MATERIALS TESTING AND OBSERVATION.....BY QUOTATION

FIELD AND LABORATORY SERVICES

- Soils/Aggregates, Portland Cement Concrete and Asphalt Concrete
- International Building Code (IBC) Special Inspection: Reinforced Concrete, Spray Applied Fire Proofing, Structural Masonry Inspection and Structural Steel

ENVIRONMENTAL ENGINEERING.....BY QUOTATION

- Solid Waste Disposal Design and Permitting
- Categorical Exclusions, Phase I, II, and III Site Assessments, Extent of Contamination Studies
- Soil and Groundwater Remediation Systems Design and Implementation
- Monitor Well Installation, Development, Purging, Sampling, and Abandonment
- Field Sampling and Testing of Soil, Groundwater, and Air
- Geologic Cross-Sections, Contaminant Isoconcentration Maps

LAND SURVEYING.....BY QUOTATION

- PROPERTY SURVEYS: Subdivision Platting and Mapping, Farm/Ranch Surveys, Cadastral Surveys, Boundary Retracement
- ENGINEERING SURVEYS: Topographic Surveys, Highway, Street, and Road Design Surveys, River and Flood Plain Cross-Sections
- UTILITY SURVEYS: Preliminary, Construction, and As-Built Surveys for Cross-Country Pipelines and Power Transmission Lines
- CONSTRUCTION SURVEYS: Highways, Utilities, Bridges
- MISCELLANEOUS: Mine Reclamation Surveys, Water Rights, Mining Claims
- ALTA/ACSM Land Title Detailed Property Surveys
- UAV SERVICES: Insurance damage claims, real estate, advertising and marketing, surveying, construction, aerial inspections (including but not limited to)

Payment is due upon presentation of invoice and is past due 30 days from invoice date. A finance charge of one and one-half (1½) percent per month, or the maximum rate allowed by law, will be assessed against the unpaid balance. All credit card transactions will be assessed a 4% surcharge.



Exhibit D.2

Inberg Miller Engineers

Estimated Construction Management Costs

City Of Gillette: Alley PMS 2019 - City Project No. 19EN01

Task		Project Engineer (PE)	Staff Engineer	Engr. Tech RPR	Prof. L.S.	Surveyor 2	Drafting Tech	Cost
Construction Management								
Administration		3	2					\$ 565.00
Observation/Submittals		1	5	175				\$ 14,600.00
Construction Staking			2		1	4		\$ 605.00
Record Drawings		1	1				2	\$ 390.00
Total Hours		5	10	175	1	4	2	197
Hourly Rate		\$ 125.00	\$ 95.00	\$ 80.00	\$ 115.00	\$ 75.00	\$ 85.00	

Costs = \$ 16,160.00

Reimbursable Expenses	
Misc. Expenses	\$50
Copies	\$50
Materials Testing	\$2,100
Survey Stakes, etc.	\$40
Travel	\$300
GPS Equipment	\$150
Record Drawings	\$50

See attached Materials Testing Cost Sheet D.3

(25 hrs. @ \$12/hr.)

(3 hrs. @ \$50/hr.)

Total Reimbursable Cost = \$2,740

Total Estimated Cost = \$ 18,900.00



EXHIBIT D.3 Est. Materials Testing Costs

Alley PMS 2019 - City of Gillette

Item	Description	Number	Unit	Unit Cost	Unit Total
1	Subgrade Testing				
	Atterberg Limits	2	Hours	\$70.00	\$140.00
	Gradation	2	Hours	\$70.00	\$140.00
	Modified Proctor	4	Hours	\$70.00	\$280.00
	Nuclear Gauge Technician	2	Hours	\$70.00	\$140.00
	Nuclear Gauge Charge	2	Hours	\$10.00	\$20.00
	Sampling Time	0.2	Hours	\$70.00	\$14.00
	Travel Time	0.8	Hours	\$70.00	\$56.00
				Subtotal	\$790.00
2	Base Testing				
	Gradation	2	Hours	\$70.00	\$140.00
	Modified Proctor	4	Hours	\$70.00	\$280.00
	Nuclear Gauge Technician	1	Hours	\$70.00	\$70.00
	Nuclear Gauge Charge	1	Hours	\$10.00	\$10.00
	Sampling Time	0.2	Hours	\$70.00	\$14.00
	Travel Time	0.2	Hours	\$70.00	\$14.00
				Subtotal	\$528.00
3	Concrete Testing				
	Concrete Cylinders	10	Cyl.	\$5.00	\$50.00
	Concrete Technician	3	Hours	\$70.00	\$210.00
	Cylinder PSI Testing	2	Hours	\$70.00	\$140.00
	Travel Time	0.4	Hours	\$70.00	\$28.00
				Subtotal	\$428.00
4	Miscellaneous				
	Communication Expense			2.50%	\$51.03
	Project Management	1	Hours	\$125.00	\$125.00
	Reporting	2	Hours	\$85.00	\$170.00
				Subtotal	\$346.03
	Estimate Total			\$2,092.03	