

ATTACHMENT 1 – SERVICE AREAS AND POTENTIAL PROJECTS

NO	SERVICE AREA	POTENTIAL PROJECTS	POTENTIAL TASKS
1.	Architecture	<ul style="list-style-type: none"> • Any City Property, Project, Improvements, or Municipal Services • Facility Remodels/Renovations and Tenant Improvements for: <ul style="list-style-type: none"> • City Hall Complex • Conference Center • Fire Stations • Senior Center • Park and other Public Restrooms • Other Administrative Offices • Other City Projects 	<ul style="list-style-type: none"> • Building Condition Assessments • Site Selection • Master Planning/Space Planning • Feasibility Studies • Renderings/Models/Displays • Disabled Accessibility Evaluations and Mitigation • Life Cycle Cost Estimates • Peer Review of Building Design by Others • Interior Design/FF&Es • Sustainable Solutions • Public Charrettes/Community Outreach • Technical Studies, Reports and Presentations • Conceptual/Schematic Design • Design Development • Final Design Plans, Specifications and Estimates (PS&E) • Public Bidding and Construction Phase Services • On-Call Services
2.	Biological Services	<ul style="list-style-type: none"> • Any City Property, Project, Improvements, or Municipal Services • Private Projects submitted for City Approval 	<ul style="list-style-type: none"> • Biological Surveys and Analysis • Mitigation • Regulatory Agency Permitting • Federal, Tribal, Regional and State Consultations • Reporting and Presentations • On-Site Monitoring (during Construction) • On-Call Services
3.	Appraisal Services	<ul style="list-style-type: none"> • Any City Property, Project, Improvements, Municipal Service, or Low-Moderate Income Housing Properties 	<ul style="list-style-type: none"> • Appraisal Services • Fair Market Lease Rates • Highest and Best Use Determinations • Revenue Projections • On-Call Services

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4.	Civil Engineering	<ul style="list-style-type: none"> • Any City Property, Project, Improvements, or Municipal Services • Roadways and Street Improvements • Parking Lots • Intersection Improvements • ADA Compliance Projects • Pavement Resurfacing Projects • Driveways, Curbs, Gutters, Medians, Sidewalks, Cross Gutters, Walkways • Pavement Management System • Complete Streets • Plan Checking of Private Development Grading, Drainage, and Street Improvement Plans and Technical Reports • Standard Plans & Specifications Update • Preventative Maintenance Plans • Assessment Districts – Engineer's Reports • Staff Augmentation 	<ul style="list-style-type: none"> • Project Management • Plan Checking • Design Survey and Geometrics • Pavement Evaluation and Design • Environmental Permitting • Coordination w/Other Agencies & Utilities • Constructability/Bidability Reviews • Peer Review of PS&Es prepared by Others (Roadways/Traffic/Parks/Drainage/Sewers) • Value Engineering • AutoCAD Services • Preliminary Engineering Studies • Technical Reports • Alternatives Analysis • Final Design PS&Es • Public Outreach • Public Bidding and Construction Phase Services • On-Call Services • Staff Augmentation is intended to Provide Qualified Engineering Staff on a Temporary, On-Call, As-Needed Basis.
5.	Construction Management and Inspection Services/ Horizontal Construction	<ul style="list-style-type: none"> • Any City Property, Project, Improvements, or Municipal Services • Roadways and Street Improvements • Pavement Resurfacing • Traffic Signals • Drainage, Culverts, Basins • Grading • Sewer Pipelines and Lift Stations • Parks and Trails • Facilities 	<ul style="list-style-type: none"> • Constructability/Bidability Reviews • Value Engineering • Public Bidding Phase Support • Submittal Tracking and Reviews • Construction Staking • Construction Management & Controls • Contract Administration • Inter-agency and Third Party Utility Coordination • Construction Inspection • Storm Water Quality Inspections • Materials Testing • Progress Meetings and Reporting • Public Relations/Outreach • Progress Payments and Grant/Fund Tracking • Change Order Management • Permit Monitoring • SWPPP & Erosion/Sediment Control Monitoring • Claims & Disputes Prevention/Mitigation • Project Closeout • On-Call Services

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6.	Electrical Engineering	<ul style="list-style-type: none"> • Any City Property, Project, Improvements, or Municipal Services • Emergency Generators • Facility Lighting • Sports Field Lighting • Switchgear • Communications Systems • Fire Alarm and Security Systems • Street Lighting • HVAC and Building Systems • Radio Systems 	<ul style="list-style-type: none"> • Electrical/Mechanical Assessments • Feasibility Studies • Energy and Greenhouse Gas Reduction Strategies • Renewable Energy Solutions • Photometric Studies • Recommendations on Lights & Fixtures • Preliminary Engineering • Final Design PS&Es • Public Bidding and Construction Phase Services • On-Call Services
7.	Geotechnical Engineering and Materials Testing	<ul style="list-style-type: none"> • Any City Property, Project, Improvements, or Municipal Services • Erosion and Stabilization 	<ul style="list-style-type: none"> • Site Investigations & Peer Reviews • Geologic Investigations • Soils and Asphalt Pavement Borings • Laboratory Testing • Non-destructive Testing • Geotechnical Reports • Pavement Condition Surveys • Pavement Section Design Alternatives • Retaining Wall Design Parameters • Slope Stabilization • Landslide Monitoring • Grading Observations • Multi-Trades Building Inspections and Materials Testing (asphalt, concrete, masonry, steel) • On-Call Services
8.	Hazardous Materials Testing and Monitoring Services and/or Construction Material Testing / Monitoring	<ul style="list-style-type: none"> • Any City Property, Project, Improvements, or Municipal Services 	<ul style="list-style-type: none"> • Hazardous Materials Testing (Asbestos, Molds, and others) • Laboratory Testing • Abatement and Remediation PS&Es • Policies and Procedures • Documentation and Training • Emergency Response • On-Call Services

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9.	Landscape Architecture	<ul style="list-style-type: none"> • Any City Property, Project, Improvements, or Municipal Services • Park Renovations • Landscaping and Streetscapes • Water-Conserving Irrigation Systems • Xeriscape • Sports Fields • Dog Park • Playgrounds, Picnic Areas • Erosion Control 	<ul style="list-style-type: none"> • Parks Condition Assessments • Parks/Trails Master Planning • Playground Equipment Inspections • Feasibility Studies • Cost Estimating • Schematics and Renderings • Reporting and Presentations • Peer Review of PS&Es Prepared by Others • Preliminary Design • Final Design PS&Es • Public Bidding and Construction Phase Services • On-Call Services
10.	Mechanical Engineering	<ul style="list-style-type: none"> • Any City Property, Project, Improvements, or Municipal Services • Fuel Tanks Renovations • Grease Traps • HVAC Systems • Mechanical Building Systems • Emergency Generators 	<ul style="list-style-type: none"> • Mechanical/Electrical Systems Assessments • Feasibility Studies • Energy and Greenhouse Gas Reduction Strategies • Renewable Energy Solutions • Preliminary Engineering • Final Design PS&Es • Public Bidding and Construction Phase Services • On-Call Services
11.	Structural Engineering	<ul style="list-style-type: none"> • Any City Property, Project, Improvements, or Municipal Services • Parking Garages • Retaining Walls • Roadway and Pedestrian Bridges • Utility Vaults • Box Culverts, Headwalls • Building Framing Systems • Foundation Slabs 	<ul style="list-style-type: none"> • Buildings/Facilities Condition Assessments • Structural Analysis and Design • Seismic Evaluations • Structural Modifications • Non-destructive Testing • Rehabilitation Strategies • Preliminary Engineering • Final Design PS&Es • Public Bidding and Construction Phase Services • On-Call Services

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12.	Surveying, Mapping, and Right-of-Way Engineering	<ul style="list-style-type: none"> Any City Property, Project, Improvements, or Municipal Services 	<ul style="list-style-type: none"> Ground Control Aerial Photography/Base Mapping Ortho-Photogrammetry/Mapping Design Surveys Digital Terrain Modeling Topographic Surveys Construction Staking Quality Assurance of Contractor's Staking Set Monuments Records and Lands Title Research Plats and Legal Descriptions for Right-of-Way and Easement Acquisitions Right-of-Way Certifications (Caltrans) Acquisition Support Subdivision or Parcel Map Checking On-Call Services
13.	Traffic Engineering & Transportation	<ul style="list-style-type: none"> Any City Property, Project, Improvements, or Municipal Services Private Projects submitted for City Approval New and Upgraded Traffic Signals Pedestrian Crossings and Connectivity Bicycle Lane Linkages Signal Timing Assessments Fiber Optics Interconnection & Synchronization Intersection Modifications Transportation Planning Pedestrian and Bicycle Projects Traffic Calming Plans Corridor Evaluations Circulation Studies Radar Speed Signs Electronic Parking Signs Staff Augmentation 	<ul style="list-style-type: none"> Traffic Counts Traffic Studies & Modeling Speed Surveys Parking Studies & Management Signal Warrants Signal Design Signage and Striping Plans Traffic Control and Barricading Plans Interagency Coordination Reporting and Presentations Preliminary Engineering Final Design PS&Es Public Bidding and Construction Phase Services On-Call Services Staff Augmentation is Intended to Provide Qualified Traffic Engineering Staff on a Temporary, On-Call, As-Needed Basis
14.	Water Resources (Storm Water/Drainage and Waste Water)	<ul style="list-style-type: none"> Any City Property, Project, Improvements, or Municipal Services New and Rehabilitated Pipelines Lift Stations Storm Drainage Retention and Conveyance Facilities Pipe Lining and Pipe Bursting Spot Repairs Wastewater Collection Master Plan Preventative Maintenance Plans Erosion Control Storm Water C.3 requirements 	<ul style="list-style-type: none"> Utility Condition Assessment & Inspections Utility Master Planning Alignment Studies Hydrology/Hydraulic Analyses Design Surveying Environmental Permitting Coordination with Utilities and Federal, Tribal and Regional Agencies Utility System Modeling Preliminary Engineering Technical Studies and Reports Final Design PS&Es Reporting and Presentations Value Engineering Public Bidding and Construction Phase Services On-Call Services

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15.	Marine Engineering	<ul style="list-style-type: none"> • Any City Property, Project, Improvements, or Municipal Services • Marina Evaluation and Design 	<ul style="list-style-type: none"> • Marina Design or Re-Design • Modern Dry Storage • Site Expansion & Upgrades • Efficiency & Movement Engineering • Bathometric Analysis • Load Engineering • Wave Studies • Market Research Preliminary Engineering • Technical Studies and Reports • Final Design PS&Es • Reporting and Presentations • Public Bidding and Construction Phase Services • On-Call Services
16.	Solid Waste Engineering	<ul style="list-style-type: none"> • Any City Property, Project, Improvements, or Municipal Services • Landfill Engineering and Evaluation 	<ul style="list-style-type: none"> • Landfill Engineering & Permitting • Construction Management • Landfill Engineering Support • Leachate Collection Systems • Slope Stability Assessments • Landfill Gas Collection Systems • Closures • Land Reclamation