

**Tessellations Incorporated**  
**APPENDIX C – PRICING INDEX**  
**DIR-CPO-6041**

<b>SERVICE CATEGORY</b>	<b>SERVICE NAME</b>	<b>SERVICE DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>DISCOUNT % OFF</b>
2.9 GIS Services: Geospatial Analysis & Spatial Data Science; A. Aerial imagery Interpretation	Aerial imagery Interpretation	<b>Imagery Interpretation</b> - Service or training assistance for imagery interpretation per SOW. Optimize use of your imagery for analysis, feature extraction, change detection and other use cases. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.9 GIS Services: Geospatial Analysis & Spatial Data Science; B. Change detection and monitoring	Change detection	<b>Imagery Change Detection</b> - Change detection from satellite, manned & UAS raster data from current and historical archives, based on SOW. Utilizing traditional image processing as well as machine learning and AI techniques. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.9 GIS Services: Geospatial Analysis & Spatial Data Science; C. Geostatistics	Statistical and Geostatistics Analysis	<b>Statistical and Geostatistics Analysis</b> - Use traditional statistical methods and geostatistics to conduct descriptive analysis and predictive modeling of spatiotemporal data. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate. Price here is an hourly rate for a senior	Per hour	5.00%

SERVICE CATEGORY	SERVICE NAME	SERVICE DESCRIPTION	UNIT OF MEASURE	DISCOUNT % OFF
		consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.		
2.9 GIS Services: Geospatial Analysis & Spatial Data Science; D. GIS database management	Database Maintenance	<b>Database Management</b> - Manage operation of geodatabase, optimize and improve geodatabase design, and streamline schema. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.9 GIS Services: Geospatial Analysis & Spatial Data Science; E. GIS managed cloud services	GIS Managed Cloud Services	<b>Implementing GIS in the Cloud</b> - Implementation, development and customization of cloud based Esri and open source products. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.9 GIS Services: Geospatial Analysis & Spatial Data Science; G. Real-time natural disaster monitoring	Disaster Response	<b>Disaster Response Mapping</b> - Create data/map to document flood extent, wildfires, infrastructure damage from standing water using orthos, obliques, satellites (optical & SAR) and UAS imagery. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.9 GIS Services: Geospatial Analysis & Spatial Data Science; H. Real-time visualization & analytics	Dashboards	<b>Dashboards</b> - Create dashboards from your data for summary insights that can help with business decisions. Dashboards are created on an hourly price based on SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate. Price here is an hourly rate for a	Per hour	5.00%

SERVICE CATEGORY	SERVICE NAME	SERVICE DESCRIPTION	UNIT OF MEASURE	DISCOUNT % OFF
		senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.		
2.9 GIS Services: Geospatial Analysis & Spatial Data Science; K. Geospatial data analysis and reporting	Geospatial data analysis and reporting	<b>Geospatial Data Analytics</b> - Extract information from your data to provide insights to make business decisions. Final analysis provided through reports, dashboards, maps or layers. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.9 GIS Services: Geospatial Analysis & Spatial Data Science; L. Geometric networks (modeling common networks and infrastructures, such as pipelines and electrical lines)	Geometric networks (modeling common networks and infrastructures, such as pipelines and electrical lines)	<b>Routing and Network Analysis</b> - Geometric network modeling for pipelines, transmission & distribution lines, roads, bike paths and walkways, utilities, and other networks. Creating workflows to calculate optimum routes using geometric networks. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.9 GIS Services: Geospatial Analysis & Spatial Data Science; M. Topological, hydrological and cartographic modeling	Topological, hydrological and cartographic modeling	<b>Topological, Hydrological and Cartographic Modeling</b> - Topological modeling of dataset to ensure data integrity based on single or multiple feature classes e.g. stream networks. Cartographic modeling to derive new information based on existing data. Hydrologic modeling using elevation datasets to generate/augment National Hydrologic Datasets. Flow and watershed modeling using NHD data. Price here is an hourly rate for a senior consultant, actual price will be based on	Per hour	5.00%

SERVICE CATEGORY	SERVICE NAME	SERVICE DESCRIPTION	UNIT OF MEASURE	DISCOUNT % OFF
		SOW. Use of junior staff will be at a lower rate.		
2.10 GIS Services: Planning, Development, & Deployment; A. Artificial Intelligence and Machine Learning application development	Artificial Intelligence application development for GIS user interfaces, process automation and machine learning applications	<p><b>AI/ML Tools and Application Development</b></p> <p>- Create custom AI and deep Learning models and automation tools on ArcGIS Desktop, ArcGIS Online, Portal, and Pro to enhance workflow or assist with data analysis using these techniques. Tools automate repeated analysis operations resulting in standard reports or dashboards. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.</p>	Per hour	5.00%
2.10 GIS Services: Planning, Development, & Deployment; B. Collaboration, community, and stakeholder engagement	Collaboration, community, and stakeholder engagement	<p><b>Stakeholder Engagement Data Analysis</b></p> <p>- Field data collection for stakeholder engagement and analysis of the data collected. Open text analytics to assess stakeholder sentiment. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.</p>	Per Person	5.00%
2.10 GIS Services: Planning, Development, & Deployment; C. Data needs and optimization assessment	Data needs/optimization assessment	<p><b>Needs Assessment and Optimization</b></p> <p>- Review GIS and mapping needs by interviewing the organization and reviewing current GIS data repositories and create a detailed data needs and gap document for management and user review. For a mature organization, review current GIS repositories and mapping needs, create a report detailing ways to optimize/consolidate GIS repositories. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of</p>	Per hour	5.00%

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		junior staff will be at a lower rate. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.		
2.10 GIS Services: Planning, Development, & Deployment; D. Development of web-based interfaces	Development of web-based interfaces	<b>Web Maps and Apps Development</b> - Create custom maps, apps and tools based on ArcGIS Portal to enable easy access to GIS data and streamline GIS workflows. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.10 GIS Services: Planning, Development, & Deployment; E. GIS application development	Cloud applications	<b>Cloud Based Application Development</b> - Development of GIS applications utilizing cloud based technologies. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.10 GIS Services: Planning, Development, & Deployment; E. GIS application development	GIS application development	<b>GIS Application Development</b> - Creation of custom applications based on requirements to simplify repeated workflows or create functionalities not available in current application. Automate statistics gathering & reporting. Create custom tools/scripts to automate analysis of large datasets into actionable reports for business decisions. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.10 GIS Services: Planning, Development, & Deployment; F.	GIS assessment, health check	<b>GIS Assessment - Health Check</b> - Enterprise GIS assessment service to review current software, hardware, webservices,	Per hour	5.00%

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GIS assessment, health check		database design, apps, scripts and IT integration and produce a report for future planning. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.		
2.10 GIS Services: Planning, Development, & Deployment; G. GIS training, education, and knowledge base transfer	GIS training, education, and knowledge base transfer	<b>Training ArcGIS Desktop, ArcGIS Online/Portal, ArcGIS Pro, Open Source GIS</b> - Classroom training, for ArcGIS Desktop, ArcGIS Online/Portal, ArcGIS Pro and open source GIS. The training will be based on custom material focusing on the area of interest and skills that need to be developed. Material will be developed separately based on SOW. The training is priced per person/ per day with minimum of 4 people.	Per hour	5.00%
2.10 GIS Services: Planning, Development, & Deployment; G. GIS training, education, and knowledge base transfer	On-Site Training, education and knowledge base transfer for GIS hardware and software	<b>ArcGIS Desktop, ArcGIS Online, ArcGIS Portal and ArcGIS Pro Classroom Training</b> - The training will be based on custom material based on skills that need to be developed. Material will be developed separately based on SOW. The training is priced per person/per day with minimum of 4 people.	Per Person	5.00%
2.10 GIS Services: Planning, Development, & Deployment; G. GIS training, education, and knowledge base transfer	Training Material Creation - Training, education and knowledge base transfer for GIS hardware and software	<b>Training Material Creation</b> - Custom GIS Esri training material creation based on customer requirements. Train the trainer model will be used where delivery of the training is done by the customer. The number of hours will depend of the area to be covered and number of days training to be developed based on SOW. Price here is hourly	Per hour	5.00%

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		rate for creation of the custom material.		
2.10 GIS Services: Planning, Development, & Deployment; H. Training, education and knowledge base transfer	Related Technologies - Training, education and knowledge base transfer for GIS hardware and software	<b>Related Technologies Training</b> - Creating custom training material on related technologies including image processing software, GPS hardware/software, UAS software, and FME based on customer requirements. The number of hours will depend of the area to be covered and number of days training to be developed based on SOW. Price here is hourly rate for creation of the custom material.	Per hour	5.00%
2.10 GIS Services: Planning, Development, & Deployment; I. Web base application development	Web base application development	<b>Development of Customized Web Based Applications</b> - Development of customized web based applications on Esri or open source platform, for enterprise use, sharing information, and dashboards based on SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.10 GIS Services: Planning, Development, & Deployment; I. Web base application development	Web Mapping Services	<b>Implementing Web Mapping</b> - Implementation and development of customized Esri and open source web mapping services for enterprise use. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.10 GIS Services: Planning, Development, & Deployment; J. 3D urban city modeling	Urban City Modeling	<b>Urban City Modeling</b> - Creating digital twins using existing data and also augmenting with other sources of data. Price here is an hourly rate for a senior consultant, actual price will be based on	Per hour	5.00%

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		SOW. Use of junior staff will be at a lower rate.		
2.10 GIS Services: Planning, Development, & Deployment; K. Customized GIS applications	Customized GIS Applications	<b>GIS Application Development</b> - Create customized GIS applications based on client requirements. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.10 GIS Services: Planning, Development, & Deployment; L. Data management and governance	Data management and governance	<b>Data Management and Governance</b> - Assist organizations to establish a structured framework that ensures geospatial data is accurate, reliable, up-to-date, and easily accessible, while being governed throughout its lifecycle. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.10 GIS Services: Planning, Development, & Deployment; M. Data validation and quality assurance services	Imagery QA/QC	<b>Imagery QA/QC</b> - Detailed report summarizing/validating if Orthoimagery meets accepted industry standards. Report validates project specifications based on SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.10 GIS Services: Planning, Development, & Deployment; M. Data validation and quality assurance services	Landcover QA/QC	<b>Landcover QA/QC</b> - Detailed report summarizing/validating if landcover classification and accuracy meets accepted industry standards and project specifications based on SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per Person	5.00%

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2.10 GIS Services: Planning, Development, & Deployment; M. Data validation and quality assurance services	Lidar QA/QC	<b>Lidar QA/QC</b> - Detailed report summarizing & validating point cloud data per accepted Lidar accuracy standards. Report validates horizontal and vertical accuracy and project specifications based on SOW. Pricing is based on area of interest and density of Lidar. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.10 GIS Services: Planning, Development, & Deployment; M. Data validation and quality assurance services	Planimetric QA/QC	<b>Planimetric QA/QC</b> - Detailed report summarizing/validating planimetric data meets accepted industry standards. QA/QC validates horizontal accuracy as well as project specific requirements based on SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration	Acquisition and Processing of 2D, 3D and 4D models	<b>Processing and Creation of 2D, 3D, and 4D Models</b> - Processing and creation of 2D, 3D, and 4D data from various sources complying with current standards as per SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration	Acquisition and Processing of Hyperspectral	<b>Search and Acquisition of Hyperspectral Imagery</b> - Search and acquisition of hyperspectral imagery for processing and generating derivative products as per SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of	Per hour	5.00%

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		junior staff will be at a lower rate.		
2.11 GIS Services: Data Collection, Conversion & Integration	Acquisition and Processing of Manned Aerial Platform	<b>Processing of Manned Aerial Imagery</b> - Processing of manned aerial imagery, and generating final and derivative products based on SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration	Acquisition and Processing of Sonar	<b>Search and Acquisition of Sonar Data</b> - Search and acquisition of sonar data for processing and generating derivative products as per SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration	Acquisition and Processing of Synthetic aperture radar	<b>Search and Acquisition of SAR Imagery and Processing</b> - Search and acquisition of SAR imagery for processing and generating derivative products as per SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration	Archive Satellite Imagery	<b>Satellite Imagery Service</b> - Obtaining Archive Imagery - Ability to research and obtain optical and SAR imagery from a variety of sources including satellite business partners per SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection,	Field data collection	<b>Field Data Collection using GPS and Mobile apps</b> - Development and	Per hour	5.00%

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Conversion & Integration		implementations of custom tools for field data collection of GIS data with attributes based on SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.		
2.11 GIS Services: Data Collection, Conversion & Integration	Field Data Collection using GPS	<b>GPS Collection</b> - GPS field data collection, GPS data collection training, and integration into GIS system. Real time location capture, and asset data collection. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration	Imagery obtained using land or water-based vehicles	<b>Processing Imagery from Vehicles that are Land or Water Based</b> - Processing imagery from vehicles that are land or water based sources, and generating derivative products per SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration	Processing of Oblique Imagery, Historical Imagery and Maps	<b>Processing of Orthoimagery, Historic Imagery and Maps</b> - Ability to acquire and process orthoimagery, historical imagery (scanning and georeferencing if on film or paper), maps (scanning and georeferencing if imagery is on film or paper) per current standards based on SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%

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2.11 GIS Services: Data Collection, Conversion & Integration	Satellite Imagery Tasking	<b>Satellite Imagery Service</b> - Tasking - Ability to task/download optical and SAR imagery from a variety of sources including satellite business partners per SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; B. Customized Developer Frameworks for GIS Integration	Customized Developer Frameworks for GIS Integration	<b>Customized Developer Frameworks for GIS Integration</b> - Create a framework of software tools, libraries, or platforms that developers can utilize to integrate GIS applications into the clients' systems, or workflows. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; C. Data conversion; 1. Vector and Raster	Vector and Raster	<b>Data Conversion</b> - Convert vector and raster from one format to the other. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; C. Data conversion; 2. Formatting	Formatting Data	<b>Formatting</b> - Format data per SOW to meet data structure, database schema, metadata conversion and attribution. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; C. Data conversion; 3. ETL (Extract Transform Load)	ETL (Extract Transform Load)	<b>ETL (Extract Transform Load)</b> - Creating ETL using FME, Python or other tools to automate the processing of any aspatial and spatial data. Price here is an hourly rate for a senior consultant, actual price will	Per hour	5.00%

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		be based on SOW. Use of junior staff will be at a lower rate.		
2.11 GIS Services: Data Collection, Conversion & Integration; C. Data conversion; 4. Data Model Conversion	Data Conversion	<b>Data Conversion</b> - Consolidate all of your data (many sources types) into one projection, structure, database schema & format for a given GIS system. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; C. Data conversion; 5. Coordinate System (Projections) transformation	Coordinate System (Projections) transformation	<b>Coordinate System/Projections Transformation</b> - Converting any spatial data from one coordinate system to another as per requirements. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; C. Data conversion; 6. CAD and GIS	CAD to GIS	<b>CAD to GIS</b> - Consolidate all of your CAD data into one projection, structure, database schema & format for a given GIS system. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; D. Data creation (digitization)	Feature Extraction and Derivative Data Creation	<b>Feature Extraction and Derivative Products</b> - Creation of features based on optical and SAR imagery, sonar and lidar data (elevation and bathymetry). Generate derivative products from a variety of remotely sensed data. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%

SERVICE CATEGORY	SERVICE NAME	SERVICE DESCRIPTION	UNIT OF MEASURE	DISCOUNT % OFF
2.11 GIS Services: Data Collection, Conversion & Integration; D. Data creation (digitization)	Generation of Address locator datasets	<b>Generating Address Locator Dataset -</b> Generating address locator dataset by collecting from various sources, updating and merging new addresses, georeferencing, formatting, re-projecting data layers into GIS system and database schema per SOW including NENA compliant datasets. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; D. Data creation (digitization)	Generation of governmental boundaries and public infrastructure	<b>Generate Government Boundaries and Public Infrastructure Dataset -</b> Generate dataset by conflating and merging boundary data obtained from public and private data sources per SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; D. Data creation (digitization)	Generation of Socioeconomic and demographic datasets	<b>Generating Socioeconomic and Demographic Datasets -</b> Generating socioeconomic and demographic datasets by collecting and collating from various sources, georeferencing, formatting, re-projecting data layers into GIS system and database schema per SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; D.	Land parcel datasets Generation	<b>Generating Land Parcel Dataset -</b> Generating land parcel dataset by collecting , digitizing, georeferencing, formatting, re-projecting data layers into GIS system	Per hour	5.00%

SERVICE CATEGORY	SERVICE NAME	SERVICE DESCRIPTION	UNIT OF MEASURE	DISCOUNT % OFF
Data creation (digitization)		and database schema per SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.		
2.11 GIS Services: Data Collection, Conversion & Integration; D. Data creation (digitization)	Parcels Data Creation (digitization) and Maintenance	<b>Parcel Boundaries Digitizing</b> - Parcel boundaries digitizing, additions and merging into base layer, and combining data schema from various sources as per SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; D. Data creation (digitization)	Pervious/Impervious	<b>Pervious and Impervious Mapping</b> - Pervious & Impervious landcover from imagery and Lidar data based on SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; D. Data creation (digitization)	Planimetric mapping (manmade and natural features, such as roads, lakes, and buildings)	<b>Planimetric Mapping</b> - Land use vector-based data from satellite, manned & UAS raster data, and GPS data collected in the field. Optimization of vector data for efficient rendering and visualization based on SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; D. Data creation (digitization)	Planimetric mapping (Municipal Storm Water Fee Studies)	<b>Storm Water Planimetric</b> - Municipal impervious cover creation with parcel overlay and parcel by parcel analytics based on SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%

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2.11 GIS Services: Data Collection, Conversion & Integration; D. Data creation (digitization)	Scanning - Any format	<p><b>Scanning of Maps -</b> Scanning of maps (paper or film) to create digital versions. The scanned image can be georeferenced to a given datum and projection. Perform heads up digitizing to extract features and add attributes to create GIS layers for further analyses. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.</p>	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; D. Data creation (digitization)	Vector Data Creation (digitization)	<p><b>Vector Data Creation -</b> Creation of vector-based data by heads up digitized from orthophotography or paper maps. Optimization of vector data for efficient rendering and visualization based on SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.</p>	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; D. Data creation (digitization)	Vegetation Rasters and Vectors	<p><b>Vegetation Raster/Vector -</b> Vegetation cover derived from satellite, manned &amp; UAS raster data, and GPS data collected in the field based. Raster data is then converted to vectors, and final error terms are reported based on SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.</p>	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; E. Data integration and enhancement; 2. Integration with other datasets	Integration with other datasets	<p><b>Data Integration -</b> Integration with other spatial or non-spatial datasets. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.</p>	Per hour	5.00%

SERVICE CATEGORY	SERVICE NAME	SERVICE DESCRIPTION	UNIT OF MEASURE	DISCOUNT % OFF
2.11 GIS Services: Data Collection, Conversion & Integration; E. Data integration and enhancement; 3. Data overlays	Map overlay creation (2D, 3D, and 4D), such as property parcels, facilities, utilities, corridors, and other governmental boundaries and public infrastructure	<b>Map Overlay Creation -</b> Creation of integrated 2D, 3D, & 4D data map overlays per SOW. Includes feature creation, geo-rectification, projection, database modifications, and additional processing. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; E. Data integration and enhancement; 4. Georeferencing	Georeferenced Spatial Datasets	<b>Georeferencing Imagery -</b> Locate and georeference images, historical imagery and maps based on SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; E. Data integration and enhancement; 4. Georeferencing	Georeferencing	<b>Imagery Georeferencing -</b> Georeference all raster datasets - imagery, and historical scanned maps or photos based on SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; F. Geocoding and reverse geocoding	Geocoding and reverse geocoding	<b>Geocoding Service -</b> Geocoding service, (including reverse geocoding through a variety of methodologies) for structures, addresses (NENA) and 911. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; G. GIS with IoT network integration	Internet of Things (IoT) Integration	<b>Integrate Data from IoT Devices -</b> Integrate data from IoT devices into Enterprise geospatial temporal repository, analysis and creating derivative products to display on dashboards. Price here is an hourly rate	Per hour	5.00%

SERVICE CATEGORY	SERVICE NAME	SERVICE DESCRIPTION	UNIT OF MEASURE	DISCOUNT % OFF
		for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.		
2.11 GIS Services: Data Collection, Conversion & Integration; H. IT systems and GIS integration	IT systems and GIS integration	<b>IT and GIS Integration</b> - IT and GIS integration based on business requirements to create usable Enterprise IT solutions per SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; I. Lidar data; 1. Unmanned Aircraft Systems (UAS)/Drones	Acquisition and Processing of Unmanned Aircraft Systems (UAS)/Drones	<b>Processing of UAS Aerial Imagery</b> - Processing of UAS aerial imagery , based on SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; I. Lidar data; 1. Unmanned Aircraft Systems (UAS)/Drones	Acquisition and Processing of Unmanned Aircraft Systems (UAS)/Drones Data Processing	<b>Processing and Classification of Raw Lidar</b> - Processing and classification of raw Lidar from unmanned aerial platforms into surface models, complying with current standards based on SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; I. Lidar data; 2. Manned aerial platforms	Acquisition and Processing of Manned Aerial Platforms Lidar Data Processing	<b>Processing and Classification of Raw Lidar</b> - Processing and classification of raw Lidar from manned aerial platforms into surface models, complying with current standards based on SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data	2D Lidar processing	<b>Processing of 2D Lidar</b> - Processing of 2D Lidar, to	Per hour	5.00%

SERVICE CATEGORY	SERVICE NAME	SERVICE DESCRIPTION	UNIT OF MEASURE	DISCOUNT % OFF
Collection, Conversion & Integration; 1. Lidar data; 3. Acquisition and Processing		current standards, including fixed wing and UAS acquired data. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.		
2.11 GIS Services: Data Collection, Conversion & Integration; 1. Lidar data; 3. Acquisition and Processing	3D Lidar processing	<b>Processing of 3D Lidar</b> - Processing of 3D Lidar, per current standards, including fixed wing and UAS per SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; 1. Lidar data; 3. Acquisition and Processing	3D Point clouds Processing	<b>3D Point Cloud processing</b> - Process and extract point cloud data into 3D models of elevation, structures, canopies and other products. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; 1. Lidar data; 3. Acquisition and Processing	4D (3D geospatial + time component) Lidar processing	<b>Processing of 4D Lidar</b> - Processing of 4D geospatial data to conduct time series data analysis. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; 1. Lidar data; 3. Acquisition and Processing	Acquisition and Processing of PhoDAR data	<b>Processing and Classification of PhoDAR</b> - Processing and classification of 3D point clouds into surface models, complying with current standards based on SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection,	Indoors Lidar processing	<b>Processing of Interior Lidar</b> - Processing of interior Lidar, to current	Per hour	5.00%

SERVICE CATEGORY	SERVICE NAME	SERVICE DESCRIPTION	UNIT OF MEASURE	DISCOUNT % OFF
Conversion & Integration; I. Lidar data; 3. Acquisition and Processing		standards and classification. Input or model utilizing BIM. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.		
2.11 GIS Services: Data Collection, Conversion & Integration; I. Lidar data; 3. Acquisition and Processing	Lidar data classification	<b>Classification of Lidar Point Cloud</b> - Classification of Lidar point clouds per current standards from fixed wing and UAS acquired data. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; I. Lidar data; 3. Acquisition and Processing	Outdoors Lidar processing	<b>Processing of Outdoors Lidar</b> - Processing of outdoors Lidar, to current standards, including fixed wing and UAS acquired data. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; I. Lidar data; 3. Acquisition and Processing	PhoDAR mapping	<b>PhoDAR Mapping</b> - Creation of elevation data from fixed wing & UAS orthos. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data Collection, Conversion & Integration; K. Data Management	GIS Data Management	<b>GIS System Data Management</b> - Creation of workflow processes to collect, store and access GIS data. All aspects of geospatial data management as per SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.11 GIS Services: Data	UAS & GPS Data Management	<b>UAS &amp; GPS Data Management</b> - Creation of	Per hour	5.00%

SERVICE CATEGORY	SERVICE NAME	SERVICE DESCRIPTION	UNIT OF MEASURE	DISCOUNT % OFF
Collection, Conversion & Integration; K. Data Management		workflow processes to collect, store and access UAS and associated GPS data. Manage and convert UAS flight parameters, final processed imagery, and point clouds into Enterprise GIS data repository with attributes using automated processes as per SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.		
2.11 GIS Services: Data Collection, Conversion & Integration; L. AI-assisted data conversion	AI assisted data conversion	<b>AI assisted data conversion</b> - Leverage AI and machine learning techniques to convert GIS formats, coordinate systems, file formats, database schemas, semantic translations, automated feature extraction, feature enhancements or other tasks based on SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.13 Product Related Services; A. Installation	Maintenance and support services for GIS hardware and software	<b>New Installation, Upgrade and Setup</b> - ArcGIS Desktop, ArcGIS Pro, ArcGIS Server and Portal for ArcGIS installation, upgrade and setup on on-premise hardware or in the cloud including migration of existing datasets and maps. Continual support to maintain and monitor the GIS infrastructure. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.13 Product Related Services; C. Maintenance	Maintenance	<b>Software Maintenance</b> - Assist clients with system monitoring, patch management, performance	Per hour	5.00%

SERVICE CATEGORY	SERVICE NAME	SERVICE DESCRIPTION	UNIT OF MEASURE	DISCOUNT % OFF
		optimization and backup and recovery for Esri products. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.		
2.13 Product Related Services; D. Support	Support	<b>Support</b> - On-site and off-site support, technical assistance with Esri and related technologies. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.13 Product Related Services; E. Training	Training	<b>Training</b> - Provide custom training for ESRI products and related technologies. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.13 Product Related Services; F. Subscriptions	Data and Software subscription services	<b>Data and Software subscription services</b> - Tessellations is partners with Planet, Capella Space, and Safe Software (FME). We can work with the agency/customer to determine their needs and acquire imager, SAR imagery, and Software subscriptions. The cost here is for helping determine the requirements and level of subscription required. There will be additional cost based on requirements. Cost from our partners will be passed on with 10% margins.	Per hour	5.00%
2.13 Product Related Services; G. Managed Services	Aspatial Datasets (non-spatial data that can be associated to geographic locations, such as demographic, socio-economic, business, and other	<b>Generating Aspatial Datasets</b> - Generate aspatial datasets by collecting and collating multiple sources of aspatial and spatial datasets into one central GIS repository. Includes formatting and updating per SOW. Price	Per hour	5.00%

SERVICE CATEGORY	SERVICE NAME	SERVICE DESCRIPTION	UNIT OF MEASURE	DISCOUNT % OFF
	such data) Related Services	here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.		
2.13 Product Related Services; G. Managed Services	GIS Optimization	<b>Geodatabase Design and Conversion</b> - Optimize geodatabase by reviewing data structure design, geodatabase design, normalizing database, geometry and attribute data conversion from one schema to another, projection conversions. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%
2.13 Product Related Services; G. Managed Services	Spatial Datasets Related Services	<b>Generating Spatial Datasets</b> - Generate spatial datasets by collecting and collating multiple sources of spatial datasets into one central GIS repository. Includes formatting and updating per SOW. Price here is an hourly rate for a senior consultant, actual price will be based on SOW. Use of junior staff will be at a lower rate.	Per hour	5.00%

\* Additional 1% discount on aggregate sales greater than \$1,000,000 per RFP.

End of Appendix C