



NSGIS
NORTHSOUTH GIS
A TEPA COMPANY

Submitted to:
Western Municipal Water District

WATER AND SEWER UTILITY GIS FIELD SURVEY

Murrieta and Rainbow Service Areas

RFP-WR24-005

**UPDATED FEE
PROPOSAL**

October 14, 2024

Submitted by:
NorthSouthGIS, LLC

FEE ESTIMATE AND STANDARD SCHEDULE OF CHARGES

The following rates for all of our staff are based on our 2024 and 2025 government rates. The fee estimate is based up on those rates and the estimated number of hours required for each task resulting in a not to extend (NTE) budget of \$297,786. While NSGIS has provided a detailed breakdown of budget by subtask and role, some subtasks in actuality may require more budget and others less budget so total invoiced hours per subtask and role may differ than stated here, but we are confident that the project as scoped can be completed well within the stated NTE budget.

During the assessment performed as a part of Option Task A, NSGIS will provide an update estimate if utilizing drone surveys will make a positive impact on field staff safety and reducing overall time and budget required for Tasks 2 and 3. Option Task B is therefore not included here but will be presented after the assessment to Western Water if deemed a recommended approach that will be within the stated NTE budget.

Labor Category	2024 Rate	2025 Rate
GIS Consultant	\$215	\$226
Project Manager	\$206	\$216
Senior Solutions Engineer	\$184	\$193
Senior GIS Analyst	\$184	\$193
Junior Project Manager	\$156	\$164
Intermediate GIS Analyst	\$156	\$164
Junior GIS Analyst	\$129	\$136
Senior GIS Technician	\$107	\$112
Intermediate GIS Technician	\$101	\$106
Junior GIS Technician	\$90	\$95

OVERALL FEE SUMMARY								
Subtotal Task 1: Project Initiation, Management, Coordination, and Close Out								\$75,751
Subtotal Task 2: GPS Field Survey of Murrieta and Rainbow Canyon Service Areas								\$94,174
Subtotal Task 3: Processing, Quality Control, and Import into Western Water's Database								\$9,540
Subtotal Task 4: Edit Western Water's Water and Sewer Utility GIS Data								\$94,972
Subtotal Task 5: Final Report and Documentation								\$6,556
Optional Task A: Project Needs Assessment								\$16,793
Grand Total								\$297,786
TASK/SUBTASK BREAKDOWN								
	Project Manager	GIS Consultant	Senior Solutions Engineer	Junior Project Manager	Senior GIS Technician	Int. GIS Analyst	Junior GIS Technician	Subtotal Est. By Task
TASK 1: Project Initiation, Management, Coordination, and Close Out								
Task 1.1	30 hrs	10 hrs	-	10 hrs	-	-	-	\$9,890
Kick-off Meeting	\$6,180	\$2,150	-	\$1,560	-	-	-	
Task 1.2	90 hrs	-	-	15 hrs	-	-	-	\$21,825
Project Milestones with Monthly Status Reports and Invoices	\$19,365			\$2,460				
Task 1.3	65 hrs	16 hrs	-	10 hrs	-	-	-	\$19,296
Bi-weekly Project Status Meetings/ Workshops	\$14,040	\$3,616		\$1,640				
Task 1.4	20 hrs	-	75 hrs	-	-	-	-	\$18,470
Project Website	\$4,220		\$14,250					
Task 1.5	20 hrs	5 hrs	-	5 hrs	-	-	-	\$6,270
Project Close Out	\$4,320	\$1,130		\$820				
Subtotal Task 1								\$75,751

	Project Manager	GIS Consultant	Senior Solutions Engineer	Junior Project Manager	Senior GIS Technician	Int. GIS Analyst	Junior GIS Technician	Subtotal Est. By Task
TASK 2: GPS Field Survey of Murrieta and Rainbow Canyon Service Areas								
Task 2.1	3 hrs	-	-	15 hrs	12 hrs	-	3 hrs	\$4,512
GPS Survey Planning	\$618	-	-	\$2,340	\$1,284	-	\$270	
Task 2.2	-	-	-	56 hrs	-	-	500 hrs	\$56,684
GPS Survey and Data Collection				\$9,184			\$47,500	
Task 2.3	2 hrs	-	-	11 hrs	-	-	44 hrs	\$6,328
Compiled Field Survey Report and Data Delivery	\$432	-	-	\$1,716			\$4,180	
Airfare: \$650 x 3 round trip flights + 10% G&A								\$2,145
Vehicle: \$100/day x 44 days + 10% G&A								\$4,840
Hotel: \$150/day x 81 days + 10% G&A								\$13,365
Per Diem: \$75/day x 83 days + 10% G&A								\$6,300
Subtotal Task 2								\$94,174

	Project Manager	GIS Consultant	Senior Solutions Engineer	Junior Project Manager	Senior GIS Technician	Int. GIS Analyst	Junior GIS Technician	Subtotal Est. By Task
TASK 3: Processing, Quality Control, and Import into Western Water's Database								
Task 3.1*	-	-	-	-	-	-	-	\$0
GPS Data Processing	-	-	-	-	-	-	-	\$0
Task 3.2**	-	-	-	-	-	-	-	\$0
Data Backup	-	-	-	-	-	-	-	\$0
Task 3.3								
Quality Assurance Checks and Accuracy Validation	-	-	-	-	50 hrs \$5,600	-	-	\$5,600
Task 3.4								
Data Delivery Compatible with ArcGIS and AutoCAD	3 hrs \$648	-	-	8 hrs \$1,312	-	-	-	\$1,960
Airfare: \$650 x 1 round trip flight + 10% G&A								\$715
Vehicle: \$100/day x 4 days + 10% G&A								\$440
Hotel: \$150/day x 3 days + 10% G&A								\$495
Per Diem: \$75/day x 4 days + 10% G&A								\$330
Subtotal Task 3								\$9,540

*Tasks 3.1 does not require billable hours as the methodology is applied as a part of sub-task 2.1 and utilized as a part of sub-task 2.2.

**Task 3.2 is performed as a part of sub-task 2.2.

	Project Manager	GIS Consultant	Senior Solutions Engineer	Junior Project Manager	Senior GIS Technician	Int. GIS Analyst	Junior GIS Technician	Subtotal Est. By Task
TASK 4: Edit Western Water's Water and Sewer Utility GIS Data								
Task 4.1	10 hrs	-	-	-	-	10 hrs	-	\$3,620
GIS Data Editing Preparation	\$2,160	-	-	-	-	\$1,560	-	
Task 4.2	-	-	-	-	-	91 hrs	658 hrs	\$77,434
GIS Data Editing	-	-	-	-	-	\$14,924	\$62,510	
Task 4.3	8 hrs	-	-	-	-	15 hrs	-	\$4,188
Progress Review	\$1,728	-	-	-	-	\$2,460	-	
Task 4.4	7 hrs	-	-	-	-	42 hrs	14 hrs	\$9,730
Post-Editing Verification	\$1,512	-	-	-	-	\$6,888	\$1,330	
Subtotal Task 4								\$94,972
TASK 5: Final Report and Documentation								
Task 5.1/ Task 5.2***								
Final Data Quality and Project Results Report/ Data and Documentation Delivery	10 hrs \$2,160	3 hrs \$678	-	5 hrs \$820	-	-	-	\$3,658
Task 5.3	8 hrs	3 hrs	-	3 hrs	-	-	-	\$2,898
Project Summary Presentation	\$1,728	\$678	-	\$492	-	-	-	
Subtotal Task 5								\$6,656

***Tasks 5.1 and 5.2 are combined and stated effort is for both tasks.

OPTIONAL TASK A: Project Needs Assessment								
	Project Manager	GIS Consultant	Senior Solutions Engineer	Junior Project Manager	Senior GIS Technician	Int. GIS Analyst	Junior GIS Technician	Subtotal Est. By Task
Optional Task A.1 Deep review of existing data	5 hrs \$1,030	-	-	5 hrs \$780	-	-	5 hrs \$450	\$2,260
Optional Task A.2 On-site review of pilot GPS survey area	16 hrs \$3,296		-	32 hrs \$4,992	-	-	-	\$8,288
Optional Task A.3 Discussion with Western Water SMEs on desired attribution and viability based on-site review.	10 hrs \$2,060	3 hrs \$645	-	10 hrs \$1,560	-	-	-	\$4,265
							Airfare: \$650 x 1 round trip flight + 10% G&A	\$715
							Vehicle: \$100/day x 4 days + 10% G&A	\$440
							Hotel: \$150/day x 3 days + 10% G&A	\$495
							Per Diem: \$75/day x 4 days + 10% G&A	\$330
							Subtotal Option Task A	\$16,793



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