

**CC2025-12 PLANNING AND DESIGN GRANT - PROGRAM AND DATA ORGANIZATIONAL SUPPORT FOR TRENTON WATER WORKS LEAD SERVICE LINE REPLACEMENT PROJECTS - VIRTUAL PROPOSAL OPENING 9/24/2025 AT 11:00AM**

CC2025-12 PLANNING AND DESIGN GRANT - PROGRAM AND DATA ORGANIZATIONAL SUPPORT FOR TRENTON WATER WORKS LEAD SERVICE LINE REPLACEMENT PROJECTS - VIRTUAL PROPOSAL OPENING 9/24/2025 AT 11:00AM					
NUMBER OF RESPONDENTS:	5				
NAME OF BIDDER	SUBURBAN CONSULTING ENGINEERS, INC	GEOSCOPE ANALYTICS	ARCADIS U.S., INC	CDM SMITH INC	CHRONICLE HERITAGE
ADDRESS	96 US HIGHWAY 206, SUITE 101	17641 W. MAYA WAY	15 EAST MIDLAND AVENUE, SUITE 3E	110 FIELDCREST AVE, 8#., 6TH FLOOR	319 PALM AVE
CITY, STATE, ZIP	FLANDERS, NJ 07836	SURPRISE, AZ 85387	PARAMUS, NJ 07652	EDISON, NJ 08837	PHOENIX, AZ 85004
CONTACT NAME	LEANN E FETCHO	KHALED GARADAH	CATHERINE MALLON TRAYNOR	CHRISTINE A. BALLARD	RACHEL SMITH
TELEPHONE	973 398 1776	702 505 9200	201 797 7400	732 25 7000	256 338 4328
FAX	973 398 2121	N/A	N/A	732 225 7851	N/A
E-MAIL	<a href="mailto:MARKETING@SUBURBANCONSULTING.COM">MARKETING@SUBURBANCONSULTING.COM</a>	<a href="mailto:KGARADA@GEOSCOPEANALYTICS.COM">KGARADA@GEOSCOPEANALYTICS.COM</a>	<a href="mailto:CATHERINE.MALLON@ARCADIS.COM">CATHERINE.MALLON@ARCADIS.COM</a>	<a href="mailto:BALLARDCA@CDMSMITH.COM">BALLARDCA@CDMSMITH.COM</a>	<a href="mailto:RSMITH@CHRONICLEHERITAGE.COM">RSMITH@CHRONICLEHERITAGE.COM</a>
NOTICE OF INTENT TO SUBCONTRACT(MANDATORY)	YES	YES	YES	YES	NO
SUBCONTRACTORS NAME AND LICENSING (REQUIRED TO BE AWARDED)	INCLUDED	YES, EIC NOT SUBMITTED	RODRIGUEZ INCLUDED / ARYA NOT INCLUDED	INCLUDED	N/A
DISCLOSURE OF OWNERSHIP STATEMENT(MANDATORY)	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
ACKNOWLEDGMENT OF RECEIPT OF ADDENDA #1 09/10/2025	INCLUDED	INCLUDED	INCLUDED	INCLUDED	NOT INCLUDED
NON-COLLUSION AFFIDAVIT (MANDATORY)	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
AMERICAN WITH DISABILITIES ACT OF 1990 LANGUAGE (MANDATORY)	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
CERTIFICATION OF NON-DEBARMENT FOR FEDERAL GOVERNMENT CONTRACTS	INCLUDED	NOT INCLUDED	INCLUDED	INCLUDED	INCLUDED
POLITICAL CONTRIBUTION DISCLOSURE FORM (REQUIRED)	INCLUDED	NOT INCLUDED	INCLUDED	INCLUDED	INCLUDED
EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE (EXHIBIT A)	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
REQUIRED EVIDENCE AFFIRMATIVE ACTION REGULATIONS	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
DISCLOSURE OF INVESTMENT ACTIVITIES IN RUSSIA OR BELARUS	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
CITY OF TRENTON RESIDENT EMPLOYMENT POLICY	INCLUDED	NOT INCLUDED	INCLUDED	INCLUDED	INCLUDED
ETHICS COMPLAINT DISCLOSURE	INCLUDED	NOT INCLUDED	INCLUDED	INCLUDED	INCLUDED
NJ BUSINESS REGISTRATION CERTIFICATE (PRIOR TO AWARD)	INCLUDED	REQUIRED PRIOR TO BE AWARDED	INCLUDED	INCLUDED	REQUIRED PRIOR TO BE AWARDED
EIC (EMPLOYEE INFORMATION CERTIFICATE)	CERT#13480 EXP 15/02/2027	REQUIRED FROM AWARDED BIDDER WITH SIGNED CONTRACTS	CERT#188 EXP 15/08/2027	CERT#1509 EXP 15/06/2025	REQUIRED FROM AWARDED BIDDER WITH SIGNED CONTRACTS
DATA ORGANIZATIONAL LICENSES AND CERTIFICATIONS	REQUIRED PRIOR TO BE AWARDED	REQUIRED PRIOR TO BE AWARDED	REQUIRED PRIOR TO BE AWARDED	REQUIRED PRIOR TO BE AWARDED	REQUIRED PRIOR TO BE AWARDED
COMPLETE PROPOSAL PAGE	INCLUDED	NOT INCLUDED	INCLUDED	INCLUDED	INCLUDED
TOTAL PRICE FOR PROJECT	\$1,068,795.00	\$1,465,614.73	\$1,629,541.00	\$1,980,307.00	GRAND TOTAL AMOUNT NOT INCLUDED, SEE ATTACHED PRICES
60-DAY EXTENSION COMPLIANCE	YES	NONE	YES	YES	NONE
COMPLIANCE WITH EMERGENCY SERVICES	NONE	NONE	YES	YES	NONE
EXCEPTIONS	NONE	NONE	NONE	NONE	NONE
THREE (3) REFERENCES	INCLUDED	INCLUDED	INCLUDED	INCLUDED	NONE
FATAL FLAW	NONE	REJECTED INCOMPLETE PROPOSAL	NONE	NONE	REJECTED NO ADDENDUM SUBMITTED WITH PROPOSAL

# PROJECT FEE PROPOSAL

## REQUEST FOR COMPETITIVE CONTRACTING PROPOSALS (CC2025-12) PLANNING AND DESIGN GRANT – PROGRAM AND DATA ORGANIZATIONAL SUPPORT FOR TWW LEAD SERVICE LINE REPLACEMENT PROJECTS

### PROPOSED FEES:

<b>1. GIS &amp; Website Tasks</b>	<b>\$ 407,740</b>
1.1 ArcGIS Enterprise Geodatabase Development	\$ 67,450
1.3 Online Survey Enhancement & Quality Control	\$ 15,045
1.4 Website Maintenance & GIS Infrastructure Support	\$ 34,535
1.5 Large-Scale Service Line Inventory & Spatial Analysis	\$ 140,130
1.6 SOP for ArcGIS Database Maintenance	\$ 13,855
1.7 Project Management	\$ 95,440
1.8 TWW Staff Training	\$ 41,285
<b>2. Service Line Material Inventory Tasks</b>	<b>\$ 346,730</b>
2.0 Service Line Material Inventory Tasks	\$ 69,590
2.1 In Field Verification of Service Line Materials	\$ 254,030
2.2 Customer Communications	\$ 23,110
<b>3. Website Redesign</b>	<b>\$ 152,340</b>
3.1 Website Redesign & Service Line Inventory Integration	\$ 152,340
<b>4. Contingency/Allowance Tasks</b>	<b>\$ 100,000</b>
<b>5. Project Closeout Tasks</b>	<b>\$ 61,985</b>
5.1 Test New Procedures Developed for Annual NJDEP LSL Inventory Reporting and Compliance	\$ 23,595
5.2 Assist TWW Staff in Implementing New Processes for that are Developed for Construction Phases	\$ 22,590
5.3 Transfer of all SOPs, Editable Files, Data, Manuals, to TWW	\$ 15,800
<b>TOTAL ESTIMATED FEE</b>	<b>\$1,068,795</b>



# PROJECT FEE PROPOSAL

## REQUEST FOR COMPETITIVE CONTRACTING PROPOSALS (CC2025-12) PLANNING AND DESIGN GRANT – PROGRAM AND DATA ORGANIZATIONAL SUPPORT FOR TWW LEAD SERVICE LINE REPLACEMENT PROJECTS

### PROPOSED HOURLY RATES:

Principal/Project Officer	\$215/hour
Senior Project Manager	\$210/hour
Project Manager	\$205/hour
Senior Project Licensed Professional	\$200/hour
Project Licensed Professional	\$190/hour
Licensed Professional	\$180/hour
Senior Project Coordinator	\$200/hour
Project Coordinator	\$195/hour
Senior Designer/Senior Survey Analyst	\$170/hour
Designer/Survey Analyst	\$155/hour
Senior Environmental Scientist	\$170/hour
Environmental Scientist	\$155/hour
Senior Project GIS Analyst	\$180/hour
Project GIS Analyst	\$170/hour
GIS Analyst	\$165/hour
Senior GIS Technician	\$155/hour
GIS Technician	\$145/hour
Senior GIS Project Coordinator	\$170/hour
GIS Project Coordinator	\$165/hour
Senior Observer	\$155/hour
Observer	\$145/hour
Senior Technician	\$150/hour
Technician	\$140/hour
Project Administrator	\$155/hour
Administrative Support	\$95/hour

### Equipment Unit Cost:

⇒ Unmanned Aerial Systems/Remotely Operated Vehicle	\$150/hour
⇒ Robotic/LiDAR	\$50/hour
⇒ GPS	\$25/hour
⇒ Environmental Injection Pump & Equipment	\$150/day

Reimbursable expenses may include but are not limited to printing / reproduction, mileage, parking and tolls, overnight postage, messenger fees, certified mailings, certified property owners list, uniformed traffic protection, permit applications, and associated filing or recording fees.

Any third-party incurred reimbursable expenses and/or subconsultant fees will be invoiced at SCE's **cost plus 15%**.

Mileage will be billed in accordance with federal prevailing wage.

***SCE will utilize the above rates for this project in accordance with our attached project schedule. if there are any significant project delays or changes in the project schedule that extends the project beyond the anticipated time-frame, SCE's rates may increase.***



## Cost Breakdown

PHASE DESCRIPTION	STAFFING TITLES											TOTAL HRS.	SUBS.	EXP.	TOTALS	
	PICTO	Sr. PM	PM	GIS Database Administrator	GIS Analyst	GIS Tech.	GIS Prod. Coordinator	Sr. Observer	Sr. Technician	Technician	Admin.					
Phase 1 - GIS and Website Tasks																
1.1 ArcGIS Enterprise Geodatabase Development			48	92	154	92						386			\$ 67,450	
1.3 Online Survey Enhancement & Quality Control			7	13	47	22						89			\$ 15,045	
1.4 Website Maintenance & GIS Infrastructure Support			38	80	43							161		\$ 3,250	\$ 34,535	
1.5 Large-Scale Service Line Inventory & Spatial Analysis			94	232	272	196						794			\$ 140,130	
1.6 SOP for ArcGIS Database Maintenance			9	28	38							75			\$ 13,855	
1.7 Project Management	24	72	240	40	80						48	504			\$ 95,440	
1.8 TWW Staff Training		5	41		114	42	18				12	24	256		\$ 41,285	
Sub-Total	24	77	477	485	748	352	18	0	0	12	72	2,265	\$ -	\$ 3,250	\$ 407,740	
Phase 2 - Service Line Material Inventory Tasks																
2.0 Service Line Material Inventory Tasks		6	30	16	190	190						432			\$ 69,590	
2.1 In Field Verification of Service Line Materials		12	42		112	108		988			48	420		\$ 9,000	\$ 254,030	
2.2 Customer Communications			36	10	72					12		130			\$ 23,110	
Sub-Total	0	18	108	26	374	298	0	988		12	48	420	2,292	\$ -	\$ 9,000	\$ 346,730
Phase 3 - Website Redesign																
3.1 Website Redesign & Service Line Inventory Integration			36	16	56	112					36	28	284	\$ 108,500		\$ 152,340
Sub-Total	0	0	36	16	56	112	0	0	0		36	28	284	\$ 108,500	\$ -	\$ 152,340
Phase 4 - Contingency/Allowance Tasks																
Contingency/Allowance Tasks													0			\$ 100,000
Sub-Total	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ 100,000
Phase 5 - Project Closeout Tasks																
5.1 Test New Procedures Developed for Annual NJDEP LSL Inventory Reporting and Compliance		4	17	28	82								131			\$ 23,595
5.2 Assist TWW Staff in Implementing New Processes for that are Developed for Construction Phases			26	36	58			2					122			\$ 22,590
5.3 Transfer of all SOPs, Editable Files, Data, Manuals, to TWW			8	12	64							12	96			\$ 15,800
Sub-Total	0	4	51	76	204	0	0	2	0	0		12	349	\$ -	\$ -	\$ 61,985
Total Hours	24	99	672	603	1,382	762	18	990	12	96	532	5,190	\$ 108,500	\$ 12,250	\$ 1,068,795	
Fee Structure	\$ 215	\$ 210	\$ 205	\$ 205	\$ 165	\$ 145	\$ 165	\$ 155	\$ 150	\$ 140	\$ 95					
Total	\$ 5,160	\$ 20,790	\$ 137,760	\$ 123,615	\$ 228,030	\$ 110,490	\$ 2,970	\$ 153,450	\$ 1,800	\$ 13,440	\$ 50,540			CHECK	\$ 1,068,795	

**PROVIDE A LIST OF SUB-CONTRACTORS  
COPY OF LICENSES SUBMITTED WITH BID  
(MANDATORY IF APPLICABLE)**

NAME \_\_\_\_\_ DataBank IMX LLC  
ADDRESS \_\_\_\_\_ 458 Pike Road  
CITY, STATE, ZIP \_\_\_\_\_ Huntingdon Valley, Pennsylvania 19006  
TELEPHONE: \_\_\_\_\_ (704) 728-1147  
FAX NO. \_\_\_\_\_ N/A  
TRADE \_\_\_\_\_ Document Conversion and Digital Transformation Services  
LICENSE NO. \_\_\_\_\_ N/A

NAME \_\_\_\_\_ Bergen Design Co.  
ADDRESS \_\_\_\_\_ 53 Pomona Avenue  
CITY, STATE, ZIP \_\_\_\_\_ Fair Lawn, New Jersey 07410  
TELEPHONE: \_\_\_\_\_ N/A Email: bergendesignco@gmail.com  
FAX NO. \_\_\_\_\_ N/A  
TRADE \_\_\_\_\_ Website Design and Development  
LICENSE NO. \_\_\_\_\_ N/A

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY, STATE, ZIP \_\_\_\_\_  
TELEPHONE: \_\_\_\_\_  
FAX NO. \_\_\_\_\_  
TRADE \_\_\_\_\_  
LICENSE NO. \_\_\_\_\_

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY, STATE, ZIP \_\_\_\_\_  
TELEPHONE: \_\_\_\_\_  
FAX NO. \_\_\_\_\_  
TRADE \_\_\_\_\_  
LICENSE NO. \_\_\_\_\_

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY, STATE, ZIP \_\_\_\_\_  
TELEPHONE: \_\_\_\_\_  
FAX NO. \_\_\_\_\_  
TRADE \_\_\_\_\_  
LICENSE NO. \_\_\_\_\_

**CITY OF TRENTON**

**ACKNOWLEDGMENT OF RECEIPT OF ADDENDUM NO. 1 AND POSTPONEMENT NOTICE**

**(MANDATORY)**

The undersigned Respondent hereby acknowledges receipt of the following Addenda:

Addendum Number #1

Dated

Addendum #1

9/10/25( ICG)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Acknowledged for: Suburban Consulting Engineers, Inc.

(Name of Respondent)

By: 

(Signature of Authorized Representative)

Name: Leann E. Fetcho

Title: Assistant Corporate Secretary

Category	Amount
Total Personnel Cost	\$1,161,496.00
Cost Per Month for 25 months	\$46,459.84
Equipment & Software	\$8,000.00
Papers and Prints	\$500.00
Travel Expenses	\$10,000.00
<b>Total Estimate for all phases</b>	<b>\$1,226,455.84</b>

Contingency (10%) \$122,645.58

Taxes and fees \$116,513.30

**Grand Total** **\$1,465,614.73**

Resource	Position	Total Months of Project	Allocation %	Total Hours per Month	Hourly Rate	Cost per Month	Total Cost
PM	Seif Mahmoud	25.2	20	32	\$40.00	\$1,280.00	\$32,256.00
Project Lead	Khaled Garadah	25.2	70	112	\$85.00	\$9,520.00	\$239,904.00
Data TL	Hassanien Zaki Kotb	5	100	160	\$25.00	\$4,000.00	\$20,000.00
GIS Data Specialist (Implementation)	Mostafa Kamel Soliman ElAzab	5	100	160	\$25.00	\$4,000.00	\$20,000.00
GIS Data Specialist (Implementation)	Eman Ahmed El-Sayed Hassan El-Sagan	5	100	160	\$25.00	\$4,000.00	\$20,000.00
Data Entry	Amira Azab Abdel Fattah Azab	5	100	160	\$25.00	\$4,000.00	\$20,000.00
Data Entry	Hebat Allah Osama Gamal El- Din Abdel-Kreem	5	100	160	\$25.00	\$4,000.00	\$20,000.00
Data Entry	Karim Mohsen Mousa Sead Salim	5	100	160	\$25.00	\$4,000.00	\$20,000.00
Data Entry	Eman Abd El Hamid Abd El Fatah Mohamed	5	100	160	\$25.00	\$4,000.00	\$20,000.00
Data Entry	Gehad Ahmed Ahmed Mohamed El-Nagar	5	100	160	\$25.00	\$4,000.00	\$20,000.00
Data QC	Amr Adel Abdel Aziz El Sayed	5	100	160	\$25.00	\$4,000.00	\$20,000.00
GIS Solution Expert/TL	Hatem Helmy	14.5	100	160	\$30.00	\$4,800.00	\$69,600.00
Database Administrator	Hebatullah Saad Hamed	5	100	160	\$30.00	\$4,800.00	\$24,000.00
Database Administrator	Pavly Magdy	5	100	160	\$30.00	\$4,800.00	\$24,000.00
Database Administrator Lead	Mona Yahhia	5	100	160	\$30.00	\$4,800.00	\$24,000.00
Solution Engineer	Samy Abdullah	14.5	100	160	\$30.00	\$4,800.00	\$69,600.00
Solution Engineer	Mahmoud maqsood	14.5	100	160	\$30.00	\$4,800.00	\$69,600.00
Solution Engineer	Ahmed el Sayed	14.5	100	160	\$30.00	\$4,800.00	\$69,600.00
Business Analyst	TBD	6.1	100	160	\$30.00	\$4,800.00	\$29,280.00
Technical Writer	TBD	4.09	100	160	\$25.00	\$4,000.00	\$16,360.00
UX Designer	TBD	1.5	100	160	\$32.00	\$5,120.00	\$7,680.00
UI Developer	TBD	2.54	50	80	\$30.00	\$2,400.00	\$6,096.00
Software Developer Lead	Ahmed Gheryani	12	100	160	\$30.00	\$4,800.00	\$57,600.00
Senior Software Developer	Hussein Ezzaat	12	100	160	\$30.00	\$4,800.00	\$57,600.00
Software Developer	Menna Saad	12	100	160	\$30.00	\$4,800.00	\$57,600.00
Software Developer	Ahmed Hassaan	13.8	100	160	\$30.00	\$4,800.00	\$66,240.00
Data Expert	Mostafa Mohamed	12.6	50	80	\$30.00	\$2,400.00	\$30,240.00
Data Analyst	Mohamed Diab	12.6	50	80	\$30.00	\$2,400.00	\$30,240.00

Total \$1,161,496.00



**CITY OF TRENTON**

**ACKNOWLEDGMENT OF RECEIPT OF ADDENDUM NO. 1 AND POSTPONEMENT NOTICE**

**(MANDATORY)**

The undersigned Respondent hereby acknowledges receipt of the following Addenda:

Addendum Number #1

Dated

9/10/25( ICG)

Acknowledged for: Geoscope Analytics  
(Name of Respondent)

By: 

(Signature of Authorized Representative)

Name: Khaled Garadali

Title: Owner

Please the  
Attached Info.

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

TELEPHONE: \_\_\_\_\_

FAX NO. \_\_\_\_\_

TRADE \_\_\_\_\_

LICENSE NO. \_\_\_\_\_

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY, STATE, ZIP \_\_\_\_\_  
TELEPHONE: \_\_\_\_\_  
FAX NO. \_\_\_\_\_  
TRADE \_\_\_\_\_  
LICENSE NO. \_\_\_\_\_

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY, STATE, ZIP \_\_\_\_\_  
TELEPHONE: \_\_\_\_\_  
FAX NO. \_\_\_\_\_  
TRADE \_\_\_\_\_  
LICENSE NO. \_\_\_\_\_

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY, STATE, ZIP \_\_\_\_\_  
TELEPHONE: \_\_\_\_\_  
FAX NO. \_\_\_\_\_  
TRADE \_\_\_\_\_  
LICENSE NO. \_\_\_\_\_

Fee Proposal Table

	Contract Officer	Project Manager	Technical Lead	GIS Task Lead	GIS Staff	Field/Tap Card Coordinator	Website Designer	Project Engineer	Database Developer	GIS Dashboards/QAQC	Public Outreach Specialist	Basement Inspection Staff	Call Center Staff	Modeling Lead	Data Analyst	Assistant PM	Total Hours	Subconsultants	Indirect Costs	Total Cost
Proposed Hourly Rate	\$ 245.00	\$ 240.00	\$ 230.00	\$ 210.00	\$ 155.00	\$ 155.00	\$ 245.00	\$ 145.00	\$ 170.00	\$ 145.00	\$ 185.00	\$ 110.00	\$ 170.00	\$ 210.00	\$ 170.00	\$ 230.00				
GIS Data Management																				\$392,311.00
1.1 Database Development		18.5	53	90	222			12	168	171							734.5			\$125,035.00
1.2 Online Survey Enhancement		5	4	20	34				32	36	24						155			\$26,690.00
1.3 Infrastructure Support		2	10	16	24			24		40						2	118			\$19,600.00
1.4 Integration & Modeling / Advanced Geospatial Analysis		4	10	15	22				40					123	192		406			\$75,090.00
1.5 Maintenance SOP			1	2	8					24							35			\$5,370.00
1.6 Project Management	22	155	120													96	371		\$8,726.00	\$100,996.00
1.7 Staff training		8	8	98	98												212			\$39,530.00
Service Line Inventory																				\$745,550.00
2.1 SLI Tasks		6	6	6	32					160							210			\$32,240.00
2.2 Field Verification		24	12		52	300				184		1500					2072	\$357,500.00	\$31,000.00	\$643,260.00
2.3 Customer Communications		10									80		105				195		\$35,000.00	\$70,050.00
Website Redeisgn & Tap Card Digitization																				\$372,130.00
3.1 Website Redesign		2					80				80						162			\$34,880.00
3.2 Tap Card Digitization		12	12			40		60									124	\$286,000.00		\$306,540.00
3.3 Tap Card GIS Portal		2	8	12	14				32	44							112			\$18,830.00
3.4 SOPs and Staff Training		5	2	28	28												63			\$11,880.00
Project Closeout																				\$19,550.00
5.1 Annual NJDEP LSL Inventory Reporting		4	4		20												28			\$4,980.00
5.2 Implementation for LSLR Phase 5		8			24											8	40			\$7,480.00
5.3 Transfer Documents		12						10								12	34			\$7,090.00
Proposal Hours	22	277.5	250	287	578	340	80	106	272	659	184	1500	105	123	192	118	5071.5			
Contingency																		\$643,500.00	\$74,726.00	\$ 100,000.00
Project Total Costs																				\$1,629,541.00

**PROVIDE A LIST OF SUB-CONTRACTORS  
COPY OF LICENSES SUBMITTED WITH BID  
(MANDATORY IF APPLICABLE)**

NAME Rodriguez Consulting, LLC  
ADDRESS 100 W Oxford Street  
CITY, STATE, ZIP Philadelphia, PA 19122  
TELEPHONE: 215.987.1931  
FAX NO. N/A  
TRADE Civil Engineering and Geospatial Services  
LICENSE NO. Sequence # 1422249 - Business ID # 0400191064

NAME Arya Farahi (University of Texas)  
ADDRESS 110 Inner Campus Drive  
CITY, STATE, ZIP Austin, TX 78712  
TELEPHONE: 512.232.0693  
FAX NO. N/A  
TRADE Predictive Modeling  
LICENSE NO. N/A

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY, STATE, ZIP \_\_\_\_\_  
TELEPHONE: \_\_\_\_\_  
FAX NO. \_\_\_\_\_  
TRADE \_\_\_\_\_  
LICENSE NO. \_\_\_\_\_

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY, STATE, ZIP \_\_\_\_\_  
TELEPHONE: \_\_\_\_\_  
FAX NO. \_\_\_\_\_  
TRADE \_\_\_\_\_  
LICENSE NO. \_\_\_\_\_

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY, STATE, ZIP \_\_\_\_\_  
TELEPHONE: \_\_\_\_\_  
FAX NO. \_\_\_\_\_  
TRADE \_\_\_\_\_  
LICENSE NO. \_\_\_\_\_

**ACKNOWLEDGMENT OF RECEIPT OF ADDENDUM NO. 1 AND POSTPONEMENT NOTICE  
(MANDATORY)**

9/10/25( ICG)

Acknowledged for: Arcadis U.S., Inc.

(Name of Respondent)

By: Catherine Mallon Layton

(Signature of Authorized Representative)

Name: Catherine Mallon Traynor

Title: Senior Vice President

SECTION 7

Project Fees

Professional engineering services to perform the scope outlined for the Program and Data Organizational Support for Trenton Water Works Lead Service Line Replacement Projects (LSLRPS) will be invoiced on an hourly basis at the billing rates shown in the summary table for each respective category. Other direct costs, such as printed materials, copying, subscriptions, mileage, and hotels, will be billed at actual cost (0 percent markup). CDM Smith will utilize a subconsultant to support website design and GIS tasks. This subconsultant will be billed with a 10 percent markup for technical support services.

CDM Smith will provide each field staff with a tablet and cellular service for one year. We have included subscription costs for one Calendly seat for one year. Mileage for necessary travel will be billed at the U.S. General Services Administration mileage reimbursement rate (presently \$0.70 per mile). In the performance of services, CDM Smith may use personnel and resources from CDM Smith affiliated companies. Notwithstanding any provision to the contrary contained in the Agreement, the personnel from CDM Smith Global Services India LLP will be billed at the hourly rate table provided.

CDM Smith proposes to perform the scope of services for the amounts identified below. Modifications to the scope and fee will require authorization by the City of Trenton.

		Total Fee Per Task
Task 1	GIS and Website	
Task 1.1	ArcGIS Enterprise Geodatabase Development	\$117,896.00
Task 1.3	Online Survey Enhancement & Quality Control (includes reviewing customer surveys)	\$29,312.00
Task 1.4	Website Maintenance & GIS Infrastructure Support (Hopeworks)	\$7,318.00
Task 1.5	Large-Scale Service Line Inventory & Spatial Analysis	\$42,100.00
Task 1.6	SOP for ArcGIS Database Maintenance	\$8,166.00
Task 1.7	Project Management	\$127,996.32
Task 1.8	TWW Staff Training	\$47,066.00
Task 2	Service Line Material Inventory	
Task 2.1	In Field Verification of Service Line Materials	\$982,852.00
Task 2.2	Customer Communications	\$64,456.00
Task 3	Website Redesign	
Task 3.1	Website & Service Line Inventory Integration	\$440,473.00
Task 4	Contingency/Allowance	
Task 4.1	Allowance	\$100,000.00
Task 5	Closeout	
Task 5.1	Test new procedures developed for Annual NJDEP LSL reporting	\$3,048.00
Task 5.2	Assist TWW staff in implementing new processes	\$3,048.00
Tak 5.3	Transfer of all files and data	\$6,576.00
		\$1,980,307



The detailed cost breakdown for each task may be found in the Fee Schedule spreadsheet that follows.  
An hourly rate has been established for each of the various job classifications.

Billing Rates for CDM Smith Affiliated Companies

Designer/Drafter - DNDF 1 to 4		Engineer/Architect/Planner - EN/AR/PL 4, 5	
BIM Modeler - DNIM 1 to 4		Designer/Drafter - DNDF 7 and above	
GIS Specialist - GS 1 to 4	\$66	BIM modeler - DNIM 7 and above	\$98
Estimator - ESES 1 to 4		GIS Specialist - GS 7 and above	
Finance Accountant or Admin - FN/AS all levels		Estimator - ESES 7	
Intern and Apprentice		Project Controls Specialist - PMPC 7	
Engineer/Architect/Planner - EN/AR/PL 1 to 3		Engineer/Architect/Planner - EN/AR/PL 6 and above	
Designer/Drafter - DNDF 5,6		Estimator - ESES 8 and above	\$132
BIM Modeler - DNIM 5,6	\$82	Project Controls Specialist - PMPC 8 and above	
GIS Specialist - GS 5,6			
Estimator - ESES 5,6			
Project Controls Specialist - PMPC 5,6			

Assumptions

1. Each canvasser can visit at least 35 homes per day (door-to-door or scheduled) and 25 percent are successful attempts resulting in an inspection.
2. An average of two visits per home for a maximum of 34,000 visits.
3. 10,996 full-time inspection days are included in the proposal (average of five canvassers for 190 days each)
4. Three printed communication materials included for Task 2.2. One round of review comments and revisions per item.
5. Print 35,000 doorhangers, 12,000 results flyers, and 20,000 postcards
6. Test pit contract is assumed to not be I-Bank funded and does not require NJDEP submittal or reviews.
7. Scanning, digitizing, indexing, and geocoding information to existing parcels is budgeted for up to 63,000 tap cards.

City of Trenton/Trenton Water Works  
Planning and Design Grant - Program and Data Organizational Support for Trenton Water Works LSLRPS

		Project Director	PM	PTL	Technical Advisor	Project Engineer	GIS Lead	GIS Staff	GIS Dashboards	Field Coordinator	Construction Manager	Canvassing Coordinator	Admin/ Call Support	Admin/ Call Support	Comms Material Lead	Comms Material	Comms Graphics	Admin	PCS	Canvassers	Hopeworks (Labor)	Hopeworks	Allowance	ODCs		
	Proposed Hourly Rate	\$334.00	\$196.00	\$312.00	\$248.00	\$122.00	\$143.00	\$101.00	\$82.00	\$121.00	\$140.00	\$75.00	\$123.00	\$123.00	\$127.00	\$127.00	\$143.00	\$146.16	\$83.00	\$75.00	\$115.00				Total Hours per Task	Total Fee per Task
Task 1	GIS and Website																									
Task 1.1	ArcGIS Enterprise Geodatabase Development		26	52		208	200	300	150																936	\$117,896.00
Task 1.3	Online Survey Enhancement & Quality Control (includes reviewing customer surveys)	4	8	8		32	16	32	100						24	12	12								248	\$29,312.00
Task 1.4	Website Maintenance & GIS Infrastructure Support (Hopeworks)		8																		50				58	\$7,318.00
Task 1.5	Large-Scale Service Line Inventory & Spatial Analysis		4	8			90	200													50				352	\$42,100.00
Task 1.6	SOP for ArcGIS Database Maintenance		2	2			50																		54	\$8,166.00
Task 1.7	Project Management	26	230	128	30	60					24							52	52		24			\$1,500	626	\$127,996.32
Task 1.8	TWW Staff Training		20	20			70	40	8												180			\$1,500	338	\$47,066.00
Task 2	Service Line Material Inventory																									
Task 2.1	In Field Verification of Service Line Materials	4	100	40		100	20		100	600	380	1600	208	104						7760				\$60,000	11016	\$982,852.00
Task 2.2	Customer Communications		16	6		8									156	40	60							\$25,000	286	\$64,456.00
Task 3	Website Redesign																									
Task 3.1	Website & Service Line Inventory Integration	8	48	48		40	28	40							40	12	16				350	\$351,351.00			630	\$440,473.00
Task 4	Contingency/Allowance																									
Task 4.1	Allowance																						\$100,000.00			\$100,000.00
Task 5	Closeout																									
Task 5.1	Test new procedures developed for Annual NJDEP LSL reporting		6	6																					12	\$3,048.00
Task 5.2	Assist TWW staff in implementing new processes		6	6																					12	\$3,048.00
Task 5.3	Transfer of all files and data		6				20								20										46	\$6,576.00
Proposed Hours		42	480	324	30	448	494	612	358	600	404	1600	208	104	240	64	88	52	52	7760	654					
Project Cost		\$14,028.00	\$94,080.00	\$101,088.00	\$7,440.00	\$54,656.00	\$70,642.00	\$61,812.00	\$29,356.00	\$72,600.00	\$56,560.00	\$120,000.00	\$25,584.00	\$12,792.00	\$30,480.00	\$8,128.00	\$12,584.00	\$7,600.32	\$4,316.00	\$582,000.00	\$75,210.00	\$351,351.00	\$100,000.00	\$88,000		
																								Total Hours		14614
																								Total Labor (CDM)		\$1,365,746.32
																								Hopeworks		\$426,561
																								Allowance		\$100,000.00
																								ODCs		\$88,000
																										\$1,980,307



**PROVIDE A LIST OF SUB-CONTRACTORS  
COPY OF LICENSES SUBMITTED WITH BID  
(MANDATORY IF APPLICABLE)**

NAME Hopeworks  
ADDRESS 808 Market St.  
CITY, STATE, ZIP Camden, NJ 08102  
TELEPHONE: 856 - 365 - 4673  
FAX NO.  
TRADE Tap Card Scanning, Review and Website Design, and Maintenance  
LICENSE NO. 0836118

NAME  
ADDRESS  
CITY, STATE, ZIP  
TELEPHONE:  
FAX NO.  
TRADE  
LICENSE NO.

NAME  
ADDRESS  
CITY, STATE, ZIP  
TELEPHONE:  
FAX NO.  
TRADE  
LICENSE NO.

NAME  
ADDRESS  
CITY, STATE, ZIP  
TELEPHONE:  
FAX NO.  
TRADE  
LICENSE NO.

NAME  
ADDRESS  
CITY, STATE, ZIP  
TELEPHONE:  
FAX NO.  
TRADE  
LICENSE NO.

**ACKNOWLEDGMENT OF RECEIPT OF ADDENDUM NO. 1 AND POSTPONEMENT NOTICE  
(MANDATORY)**

### Addendum Number #1

9/10/25( ICG)

(Name of Respondent)

By:

Name: Christine A. Ballard, PE

Title: Vice President

## Cost

The overall budget for this project reflects a balanced approach between technical GIS development and intensive field verification activities. The costs are distributed across four major tasks and the additional components of Project Management and Customer Communication. The total estimated cost for all tasks, including labor and direct expenses, is **USD 295,940.18** on a time-and-materials basis. This structure provides flexibility to adjust for unforeseen conditions while ensuring that TWW only pays for the work provided. Direct costs are concentrated in the field verification task, with limited allocations for project management travel, associated with required in-person meetings. To remain competitive, we have applied a **25% discount** across labor categories and direct expenses.

Task	Labor Subtotal	Direct Expenses	Task Total
<b>Customer Communications</b>	\$4,050.00	-	<b>\$4,050.00</b>
<b>Project Management</b>	\$28,200.00	\$4752.50	<b>\$32952.50</b>
<b>Task 1 – GIS Setup</b>	\$41,550.00	-	<b>\$41,550.00</b>
<b>Task 2 – Field Verification</b>	\$130,777.50	\$32,010.18	<b>\$162,787.68</b>
<b>Task 3 – Website Redesign</b>	\$32,400.00	-	<b>\$32,400.00</b>
<b>Task 4 – Closeout &amp; Training</b>	\$22,200.00	-	<b>\$22,200.00</b>
<b>Total</b>			<b>\$295,940.18</b>

The Service Line Inventory (GIS Setup) is primarily an office-based task, with costs concentrated in GIS specialists, database management, and project oversight. These hours cover configuring the enterprise system, integrating legacy datasets, and structuring outputs for NJDEP compliance.

The Field Verification of 500 Homes represents the most resource-intensive portion of the budget. This work requires a dedicated field team of technicians and supervisory staff supported by GIS specialists, deployed over several weeks to physically inspect, record, and validate service line materials. Direct expenses for this task include airfare, per diem, lodging, and vehicle rentals, reflecting the scale of in-person inspections.

Project Management is budgeted to provide consistent oversight, schedule tracking, and reporting to TWW, as well as coordination with contractors and regulatory partners. The budget here balances remote engagement with limited in-person travel for key milestones.

For Customer Communications, the budget allocates staff time to develop public-facing updates, fact sheets, and dashboards. This ensures TWW residents and stakeholders receive clear and accessible progress updates throughout the program.

The Website Redesign is a highly technical effort, with costs covering GIS and database staff who will digitize service records, redesign the public portal for Section 508 compliance, and integrate secure dashboards and data submission tools.

Finally, Project Closeout includes the labor needed to complete final data audits, test NJDEP reporting processes, and prepare recommendations for Year 2. This ensures continuity and compliance beyond the initial program year. The Staff Training task is modest relative to other tasks,

covering approximately 60 hours of instruction provided by senior GIS staff. Training is delivered primarily online, with a small allowance for on-site support, keeping direct expenses low.

The following section outlines the detailed totals for each task, including labor hours, classifications, rates, and direct expenses, aligned with the RFP's required format:

**Task 1—Service Line Inventory (GIS Setup)**

Labor Category	Hours	Rate	Total
Project Manager	60	\$150.00	\$9,000.00
Senior GIS Specialist (x2)	220	\$127.50	\$28,050.00
Database Specialist	40	\$112.50	\$4,500.00

**Task 2—Field Verification (500 Homes)**

Labor Category	Hours	Rate	Total
Project Manger	20	\$150.00	\$3,000.00
GIS Specialist	60	\$90.00	\$5,400.00
Lead Technician	333	\$127.50	\$42,457.50
Field Technicians (x2)	666	\$120.00	\$79,920.00

**Direct Expenses – Task 2**

Category	Description	Total
Travel	Flights (3 staff), lodging (42 days/3 staff)	\$17,820.18
Per Diem	(43 days/3 staff)	\$8,385.00
Rental Vehicle	(1 vehicle/43 days)	\$5,805.00

**Task 3—Website Redesign**

Labor Category	Hours	Rate	Total
Project Manager	30	\$150.00	\$4,500.00
Senior GIS Specialist	60	\$127.50	\$7,650.00
Database Specialist	180	\$112.50	\$20,250.00

**Task 4—Project Closeout and Training**

Labor Category	Hours	Rate	Total
Project Manager	20	\$150.00	\$3,000.00
Senior GIS Specialist	80	\$127.50	\$10,200.00
Database Specialist	40	\$112.50	\$4,500.00

TWW Lead Service Line Program

<b>IGIS Technician</b>	40	\$90.00	<b>\$3,600.00</b>
<b>Administrative Support</b>	10	\$90.00	<b>\$900.00</b>

**Project Management**

<b>Labor Category</b>	<b>Hours</b>	<b>Rate</b>	<b>Total</b>
<b>Project Manager</b>	100	\$150.00	<b>\$15,000.00</b>
<b>Senior GIS Specialist(x2)</b>	40	\$127.50	<b>\$5,100.00</b>
<b>Database Specialist</b>	40	\$112.50	<b>\$4,500.00</b>
<b>Administrative Support</b>	40	\$90.00	<b>\$3,600.00</b>

**Direct Expenses – Project Management**

<b>Category</b>	<b>Description</b>	<b>Total</b>
<b>Travel</b>	Flights (2 staff), lodging (days/2 staff)	<b>\$2,925.00</b>
<b>Per Diem</b>	(7 days/2 staff)	<b>\$1,040.00</b>
<b>Rental Vehicle</b>	(1 vehicle/7 days)	<b>\$787.50</b>

**Customer Communications**

<b>Labor Category</b>	<b>Hours</b>	<b>Rate</b>	<b>Total</b>
<b>Project Manager</b>	10	\$150.00	<b>\$1,500.00</b>
<b>Senior GIS Specialist</b>	20	\$127.50	<b>\$2,550.00</b>

We are enthusiastic about the opportunity to support Trenton Water Works in advancing this critical program. Our team looks forward to the opportunity to bring expertise, practical tools, and a collaborative approach to ensure success from day one. Beyond meeting compliance and transparency goals, we are committed to building capacity within TWW for long-term independence and resilience. Chronicle Heritage is excited for the opportunity to partner on this work and to

## Assumptions

1. All tasks will be initiated only after a written scope, success criteria, and not-to-exceed hours are approved by the City of Trenton Water Works prior to commencement.
2. Any work that falls outside the agreed scope, including but not limited to new maps, datasets, integrations, expanded audiences, or additional revision cycles, will require a formal change order with updated hours and schedule.
3. One consolidated City review cycle is included for each deliverable; additional reviews will be billable on a time and materials basis.
4. Deliverables will follow a draft to review to final process, with the City provided not less than five business days for consolidated review.
5. Deliverables shall be deemed accepted upon written City sign-off or upon the lapse of ten business days without material objection following delivery.

**CITY OF TRENTON**  
**ACKNOWLEDGMENT OF RECEIPT OF ADDENDA**  
**(MANDATORY)**

The undersigned Respondent hereby acknowledges receipt of the following Addenda:

Addendum Number

Dated

\_\_\_\_\_

\_\_\_\_\_ (ICG)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Acknowledged for: Chronicle Heritage  
(Name of Respondent)

By:   
(Signature of Authorized Representative)

Name: Rachel Smith

Title: Technology Service Line Lead

**PROVIDE A LIST OF SUB-CONTRACTORS  
COPY OF LICENSES SUBMITTED WITH BID  
(MANDATORY IF APPLICABLE)**

NAME N/A  
ADDRESS \_\_\_\_\_  
CITY, STATE, ZIP \_\_\_\_\_  
TELEPHONE: \_\_\_\_\_  
FAX NO. \_\_\_\_\_  
TRADE \_\_\_\_\_  
LICENSE NO. \_\_\_\_\_

NAME N/A  
ADDRESS \_\_\_\_\_  
CITY, STATE, ZIP \_\_\_\_\_  
TELEPHONE: \_\_\_\_\_  
FAX NO. \_\_\_\_\_  
TRADE \_\_\_\_\_  
LICENSE NO. \_\_\_\_\_

NAME N/A  
ADDRESS \_\_\_\_\_  
CITY, STATE, ZIP \_\_\_\_\_  
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