

**WORK AUTHORIZATION NO. RSH-02**  
**DESIGN SERVICES FOR**  
**NE 56th STREET BRIDGE (No. 864065) REPLACEMENT PROJECT**

1. This Work Authorization is issued pursuant to the Agreement between Broward County ("County") and RS&H, Inc. ("Consultant") (collectively referred to as the "Parties") for Continuing Consultant Services for Roadway, Bridge, and Engineering Projects (Category 1, Studies, Planning, and Design Services), RFP No. PNC2127975P1, dated June 10, 2025 (the "Agreement").
2. This Work Authorization requires Consultant to provide the services described in Exhibit A, attached to and incorporated in this Work Authorization, and is issued pursuant to Article 3 of the Agreement.
3. Compensation and Method of Payment.

3.1. Payment for the Services authorized by this Work Authorization shall be in accordance with Article 5 of the Agreement and the agreed method of compensation is as follows (check those boxes that apply):

- 3.1.1 Maximum Amount Not-To-Exceed Compensation. County shall pay Consultant for the performance of all Services identified in Exhibit A to this Work Authorization as payable on a "Maximum Amount Not-To-Exceed" basis based upon the Salary Costs as described in Section 5.2 of the Agreement and Exhibit B of this Work Authorization, up to a maximum not-to-exceed amount of **\$658,562.82**.
- 3.1.2 Lump Sum Compensation. County shall pay Consultant for the performance of all Services identified in Exhibit A to this Work Authorization as payable on a "Lump Sum" basis and as set forth in Exhibit B of this Work Authorization, in a total lump sum amount of **\$0.00**.
- 3.1.3 Reimbursable Expenses. County has established a maximum not-to-exceed amount of **\$39,886.39** for potential Reimbursable Expenses for work under this Work Authorization, which may be utilized consistent with Section 5.3 of the Agreement. County will retain any unused amounts of those reimbursable expenses.

4. Consultant shall perform the Services described in Exhibit A within:
  - \_\_\_\_\_ calendar days ("Time for Performance"), or;
  - the time periods specified in the Project Schedule included in Exhibit A. The Time for Performance shall commence on the date of the Notice to Proceed for such services.

4.1 If this box is checked, liquidated damages are applicable. If Consultant fails to complete the services identified in Exhibit A to this Work Authorization on or before the Time for Performance set forth above, Consultant shall pay to County the sum of dollars identified below for each calendar day after the applicable Time for Performance, plus approved time extensions thereof, until completion of the service:

<u>Services</u>	<u>Amount</u>
	\$ N/A

These amounts are not penalties but are liquidated damages to County for Consultant's inability to prosecute and complete the Services in a timely manner pursuant to the agreed upon Project Schedule. Liquidated damages are hereby fixed and agreed upon by the Parties, recognizing the impossibility of precisely ascertaining the amount of damages that will be sustained by County as a consequence of such delay, and both Parties desiring to obviate any question or dispute concerning the amount of said damages and the cost and effect of the failure of Consultant to complete the Services within the applicable Time for Performance. This provision shall not affect the rights and obligations of either Party as set forth in the Agreement at Section 11.7, Indemnification of County.

5. CBE Commitment.

5.1. In an effort to assist County in achieving its overall goal as set forth in the Agreement, Consultant agrees to meet the following CBE participation goals by utilizing the CBE firms for the work and dollar values described in Section 5.2 below: **52.64%**.

5.2. In performing Services, County and Consultant incorporate Consultant's participating CBE firms, addresses, scope of work, and dollar value identified in Exhibit B to this Work Authorization, which is incorporated herein.

6. The terms and conditions of the Agreement are incorporated into this Work Authorization. Nothing contained in this Work Authorization shall alter, modify, or change in any way the terms and conditions of the Agreement.

7. This Work Authorization is effective upon complete execution by County and Consultant. This Work Authorization may be executed in multiple originals or in counterparts, whether signed physically or electronically, each of which shall be deemed to be an original, and all of which, taken together, shall constitute one and the same agreement.

**List of Exhibits:**

Exhibit A - Scope of Services  
Exhibit B - Negotiated Fee

IN WITNESS WHEREOF, the Parties have made and executed this Agreement: Broward County, through its Board of County Commissioners, signing by and through its Mayor or Vice-Mayor, authorized to execute same by Board action on the \_\_\_\_\_ day of \_\_\_\_\_, 2026; and RS&H, Inc., signing by and through its duly authorized representative.

COUNTY

ATTEST:

BROWARD COUNTY, by and through  
its Board of County Commissioners

By: \_\_\_\_\_  
Broward County Administrator, as  
ex officio Clerk of the Broward County  
Board of County Commissioners

By: \_\_\_\_\_  
Mayor

\_\_\_\_ day of \_\_\_\_\_, 2026

Approved as to form by  
Andrew J. Meyers  
Broward County Attorney  
115 South Andrews Avenue, Suite 423  
Fort Lauderdale, Florida, 33301  
Telephone: (954) 357-7600

By  Digitally signed by McKillop Erlandson  
Date: 2026.01.15 11:17:02  
-05'00'

McKillop Erlandson

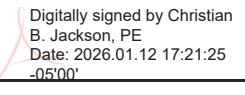
Assistant County Attorney

Douglas  Digitally signed by Douglas  
Gonzales  
Date: 2026.01.15 11:21:59  
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Douglas R. Gonzales  
Senior Assistant County Attorney

CONSULTANT

RS&H, INC.

Christian B.  Digitally signed by Christian  
B. Jackson, PE  
Date: 2026.01.12 17:21:25  
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Vice President

12 day of January, 2026

**EXHIBIT A**  
**SCOPE OF SERVICES**  
**WORK AUTHORIZATION NO. RSH-02**

- 1. PURPOSE:** Consultant shall provide professional and engineering services necessary to complete the design of the NE 56th Street Bridge (No. 864065) Replacement Project ("Services"). The NE 56th Street Bridge Replacement Project is referred to as the "Project." Consultant's Services include preparation of the 60%, 90%, and final (100%) signed and sealed construction documents, as well as coordination with relevant stakeholders, permitting activities, field reviews, meeting attendance, and issue resolution relating to Project. As part of the Services, Consultant must prepare a complete set of construction documents including plans, water and sewer specifications, estimated costs, supporting engineering analyses, calculations, and other technical documents that will enable the Contractor to construct the Project.
- 2. CONTRACT MANAGEMENT:** County and Consultant must each appoint a Project Manager who will be responsible for coordination between the Parties relating to the Services under this Work Authorization (each a "Project Manager"). County's Project Manager will serve as the primary day-to-day point of contact with Consultant for matters related to the Project and will be County's liaison for all Services performed by Consultant.

All County approvals required under the Agreement, including acceptance of the Services are subject to the review and written approval of the Contract Administrator. County's review and acceptance of deliverables will occur following the completion of applicable County review periods for each required submittal.

Consultant must not proceed to the next submittal stage until after County's Project Manager acknowledges that the preceding deliverables by Consultant are complete and approved.

- 3. TIME FOR PERFORMANCE:** Consultant must complete all Services associated with this Work Authorization within 365 calendar days after Contract Administrator's issuance of the respective Notices to Proceed ("NTP").
- 4. DESCRIPTION OF SERVICES:** Consultant shall perform the following Services as authorized under this Work Authorization and in accordance with the Agreement:

**4.1. Project Management and General Tasks**

- 4.1.1. Project Documentation:** Consultant must prepare Project documentation, including the complete setup and maintenance of all Project files consistent with Section 4.2.2, progress reports, schedule updates, compilation and delivery of final documents or reports that support the development of the Project, and invoice preparation and review.

**4.1.2. Coordination:** Consultant must coordinate all activities necessary to advance the Project, including scheduling and facilitating meetings with County staff, stakeholders, and third parties; communicating with permitting agencies and utility providers; and ensuring coordination among design disciplines. Consultant must track action items resulting from coordination activities and provide County's Project Manager with monthly updates on progress, risks, and needed decisions.

**4.1.3. Meetings:** Consultant must attend coordination/progress meetings, agency coordination meetings with permitting agencies and stakeholders, and attend technical meetings, as required by the Project. These meetings can be scheduled by County's Project Manager during any phase of the design of the Project. Consultant shall be responsible for preparing and distributing meeting agendas in advance of each meeting when acting as the meeting lead or as requested by County's Project Manager. Consultant shall also prepare and distribute meeting minutes within five business days of each meeting, documenting key discussions, decisions, and action items. All agendas and minutes must be provided to County Project Manager for review and approval prior to distribution, if requested.

**4.1.4. Issue Identification and Resolution:** Consultant must identify any issues (such as utility conflicts, access, standards, etc.) regarding overlapping projects with local and state agencies, and respond to residents, businesses, and the public during the Time for Performance of this Work Authorization. Consultant must analyze these issues and document Project-related issues and provide alternative solutions to resolve conflicts and respond to stakeholder requests. Consultant must maintain an action item list to track Project-related issues to ensure issues are addressed and notify County's Project Manager of issues impacting the budget, quality control, and Project schedules. Consultant must route all inquiries from stakeholders and the public to County's Project Manager and must not provide statements or commitments on behalf of County absent obtaining written approval from the Contract Administrator.

**4.1.5. Scheduling:** Consultant must prepare and maintain a schedule of Project events as agreed to with County's Project Manager. Prior to Consultant beginning work, Consultant will provide a Project Schedule within five calendar days after the issuance of County's NTP, showing calendar days for the completion and duration of the Services. For scheduling purposes, Consultant shall allow for one month review time for each phase submittal and any other submittals required by County or others. The major schedule milestones associated with this Project are:

- 4.1.5.1. NTP / Kickoff Meeting**
- 4.1.5.2. Data Collection**
- 4.1.5.3. 60% Construction Documents and Specifications**
- 4.1.5.4. 90% Construction Documents and Specifications**

**4.1.5.5. Final Construction Documents and Specifications**

**4.1.5.6. Permitting**

**4.1.6. Cost Estimation:** Consultant must prepare a construction cost estimate for the Project. Consultant must consider market prices and other relevant sources of information. A construction cost estimate will be provided by Consultant to County's Project Manager with the 60% Construction Documents deliverable and again with the Final Construction Documents.

**4.1.7. Quality Control:** Consultant must ensure all deliverables undergo quality control and quality assurance ("QA/QC") processes to ensure all such deliverables are correct and accurate. Consultant shall prepare a Project-specific plan for QA/QC, including QA/QC process logs, internal review with mark-ups, and any other QA/QC documentation specified by County staff. Consultant shall submit the Project-specific plan for QA/QC to County's Project Manager for review and approval.

**4.1.8. Public Involvement:** Consultant will meet and coordinate with stakeholders as follows:

**4.1.8.1. Community Engagement:** Consultant will conduct one public meeting during the design phase of the Project to present the proposed alternatives to the affected community. To support this effort and effectively convey the Project, Consultant will utilize sign-in sheets to document attendance, distribute public outreach materials to inform participants, collect public comments to gather community input, and record the meeting to ensure a comprehensive record of the proceedings is maintained.

**4.1.8.2. Public Meeting Presentation:** Consultant will use a PowerPoint presentation, roll plots, and display board exhibits.

**4.1.8.3. Venue Coordination:** Consultant is responsible for identifying and coordinating a venue for the public meeting(s).

**4.1.8.4. Mailings:** Consultant will prepare and distribute public notices, letters, and area maps to the affected community. This includes development of a property owner database, property information pull, and sorting for mail distribution.

## **4.2. Administrative Activities**

Consultant shall perform the following administrative activities in support of the Services:

- 4.2.1. Administrative Tracking:** Consultant must track and review its own timesheets and CBE compliance reports with County staff. Consultant must track and report issues, events, and design deliverables.
- 4.2.2. Set Up and Maintain a Project File for All Project Records:** Consultant will maintain Project documentation such as technical support files, report files, meeting minutes, schedule updates, progress reports, action items, QA/QC documents and plans, permit documentation, and all other documents related to the Project. Consultant will maintain documentation of utilities, and outstanding issues.

#### **4.3. Data Collection**

Consultant shall perform the following data collection activities:

- 4.3.1. Records Review and Research:**
  - 4.3.1.1. Historical Permits (provided by County)**
  - 4.3.1.2. As-Built Plans (provided by County)**
  - 4.3.1.3. Bridge Development Report (provided by County)**
  - 4.3.1.4. Other Relevant Records (to be obtained by Consultant)**
    - 4.3.1.4.1. Contacting Sunshine 811 and Utility Agency Owners ("UAOs") to obtain available information on utility locations and coordinate any potential dig activities**
    - 4.3.1.4.2. Governing maintenance responsibilities (e.g., homeowners, municipal) within the Project limits**
    - 4.3.1.4.3. Identifying environmentally sensitive areas**
- 4.3.2. Field Review:** Consultant shall go to and inspect the Project site as required to obtain necessary information for the design of all elements of the Project.
- 4.3.3. Geotechnical Investigation:** Consultant must complete one additional boring to a depth of 120 feet through the existing deck of Broward County Bridge No. 864065, in between the beam flanges, and in accordance with Florida Department of Transportation ("FDOT") Soils and Foundation Handbook (latest edition). Consultant shall also complete the geotechnical collection and analysis of data, including the preparation of a geotechnical report.
- 4.3.4. Supplemental Survey:** Consultant shall review and verify the survey prepared by KCI Technologies, Inc. for Broward County Project No. BC20241077 as follows:
  - 4.3.4.1. Right-of-way and base line verification**
  - 4.3.4.2. Vertical and horizontal control verification**
  - 4.3.4.3. Topographic verification**
  - 4.3.4.4. Boundary and geometric verification**
  - 4.3.4.5. Elevations and drainage structures verifications**

Consultant shall supplement the survey as necessary to confirm the location of utilities and right-of-way, additional drainage structures required, perform a site investigation, and conduct official records research, including reviewing plat books and public records, to obtain right-of-way and easement data. This task will result in the preparation of documentation identifying property lines, plat research, and easement research for inclusion in the final survey drawings, as reflected in the deliverable identified in Section 5.1.3.

**4.3.5. Subsurface Utility Engineering (“SUE”):** Consultant shall perform SUE within the Project limits. The number of test holes is estimated at approximately 20 test holes. Consultant shall provide proposed locations of test holes during design of the Project to County’s Project Manager for review and concurrence prior to field activities. Consultant shall provide the maintenance of traffic to perform the approved test holes. A copy of the test holes report shall be provided to County’s Project Manager and shall be included in the Final Construction Documents and Specifications deliverable.

**4.3.6. Environmental Review and Verification:** Consultant shall review and verify the Field Observation Report prepared by Res Florida Consulting, LLC, dated June 25, 2024, for Broward County Project No. BC20241077 and establish wetland jurisdictional lines and assessments, perform agency verification of wetland data, and species surveys.

**4.4. Design and Engineering Services:** Consultant shall perform the following design and engineering services:

**4.4.1. Structural Design**

**4.4.1.1. General Layout Design, Analysis, and Plans**

- 4.4.1.1.1. Overall Bridge Final Geometry**
- 4.4.1.1.2. Expansion/Contraction Analysis**
- 4.4.1.1.3. Expansion Joint Details**
- 4.4.1.1.4. General Plan and Elevation**
- 4.4.1.1.5. Construction Staging/Staged Construction Requirement**
- 4.4.1.1.6. Approach Slab Plan and Details**
- 4.4.1.1.7. Miscellaneous Details**
- 4.4.1.1.8. Traffic/Pedestrian Railing Details**
- 4.4.1.1.9. Bridge Railing Transition Details**
- 4.4.1.1.10. Slope Protection/Treatment Details**
- 4.4.1.1.11. Utility Support Details**

**4.4.1.2. End Bent Design and Plans**

- 4.4.1.2.1. End Bent Geometry**
- 4.4.1.2.2. End Bent Stability Analysis**
- 4.4.1.2.3. End Bent Structural Design**

- 4.4.1.2.4.** End Bent Plan and Elevation
- 4.4.1.2.5.** End Bent Details
- 4.4.1.3.** Intermediate Bent Design and Plans
  - 4.4.1.3.1.** Bent Geometry
  - 4.4.1.3.2.** Bent Stability Analysis
  - 4.4.1.3.3.** Bent Structural Design
  - 4.4.1.3.4.** Bent Plan and Elevation
  - 4.4.1.3.5.** Bent Details
- 4.4.1.4.** Miscellaneous Substructure Design and Plans
  - 4.4.1.4.1.** Foundation Layout
  - 4.4.1.4.2.** Finish Grade Elevation Calculation
  - 4.4.1.4.3.** Finish Grade Elevations
- 4.4.1.5.** Prestressed Slab Unit Bridges
  - 4.4.1.5.1.** Prestressed Slab Unit Design
  - 4.4.1.5.2.** Prestressed Slab Unit Layout
  - 4.4.1.5.3.** Prestressed Slab Unit Details and Schedule
  - 4.4.1.5.4.** Deck Topping Reinforcing Layout
  - 4.4.1.5.5.** Superstructure Sections and Details
- 4.4.1.6.** Reinforcing Bar Lists
- 4.4.1.7.** Load Rating
- 4.4.1.8.** Retaining Walls Horizontal Wall Geometry
- 4.4.1.9.** Other Retaining Walls and Bulkheads
  - 4.4.1.9.1.** Design
  - 4.4.1.9.2.** Vertical Wall Geometry
  - 4.4.1.9.3.** General Notes, Tables and Miscellaneous Details
  - 4.4.1.9.4.** Wall Plan and Elevations
  - 4.4.1.9.5.** Details

#### **4.4.2. Roadway, Temporary Traffic Control, Signing & Pavement Marking**

- 4.4.2.1.** Typical Section Package
- 4.4.2.2.** Pavement Design Package
- 4.4.2.3.** Signing and Pavement Marking
- 4.4.2.4.** Horizontal and Vertical Geometric Design Analysis
- 4.4.2.5.** Roadway Cross Section Analysis at the approaches
- 4.4.2.6.** Roadway Field Reviews
- 4.4.2.7.** Temporary Traffic Control Plans Analysis
  - 4.4.2.7.1.** Bridge Removal
  - 4.4.2.7.2.** Bridge Construction
- 4.4.2.8.** Plan/Profile Sheet
- 4.4.2.9.** Signing and Pavement Marking Sheet
- 4.4.2.10.** Roadway Soil Survey Sheets
- 4.4.2.11.** Temporary Traffic Control Plan Sheets
- 4.4.2.12.** Temporary Traffic Control Detail Sheets

#### **4.4.2.13. Utility Adjustment Sheets**

**4.4.3. Drainage:** A Bridge Hydraulics Report, dated October 2024 was prepared by AllBright Engineering, Inc. and County will provide a copy of the report to Consultant. The report findings indicate that bridge scuppers are not required, and the bridge replacement and proposed slope protection will not adversely impact the existing hydraulic capacity of the canal. Consultant must consider the findings of the report and shall update the Bridge Hydraulics Report and coordinate with South Florida Water Management District, to address canal access and ensure protection at the canal drop-off for vehicles and pedestrians. In addition, Consultant shall perform drainage analysis and prepare drainage plans for the improvements within the Project limits.

##### **4.4.3.1. Drainage Analysis**

- 4.4.3.1.1. Utility Conflict Matrix for Drainage Structures**
- 4.4.3.1.2. Bridge Hydraulics Report Update**
- 4.4.3.1.3. Design of Ditches and Side Drains**
- 4.4.3.1.4. Design of floodplain Compensation**
- 4.4.3.1.5. Design of Storm Drains**
- 4.4.3.1.6. Design of Trench Drains**
- 4.4.3.1.7. Design of French Drain Systems**
- 4.4.3.1.8. Stormwater runoff Control Concept**
- 4.4.3.1.9. Stormwater Pollution Prevention**
- 4.4.3.1.10. Drainage Design documentation Report**
- 4.4.3.1.11. Drainage Quantities**
- 4.4.3.1.12. Drainage Cost Estimate**
- 4.4.3.1.13. Drainage Meetings**
- 4.4.3.1.14. Field Review**

##### **4.4.3.2. Drainage Plans**

- 4.4.3.2.1. Drainage Map**
- 4.4.3.2.2. Bridge Hydraulics Recommendation Sheets**
- 4.4.3.2.3. Drainage structures**

#### **4.4.4. Utilities**

- 4.4.4.1. All utility coordination activities will be performed by Consultant.**
- 4.4.4.2. Consultant shall identify all UAOs within and adjacent to the Project limits that may be impacted by the Project.**
- 4.4.4.3. Before any contact with UAOs, Consultant shall meet with County Project Manager to receive guidance, if required, to ensure that all necessary coordination is accomplished in accordance with County procedures.**

- 4.4.4.4.** Consultant will make contact and distribute plans to the applicable UAOs.
- 4.4.4.5.** Consultant shall meet with each UAO separately or together, as necessary, throughout the Project's design duration to provide guidance in interpreting plans, reviewing changes to plans and schedules, and assisting in the development of each UAO's marked/RGB plans and work schedules.
- 4.4.4.6.** Field reviews shall be coordinated with County's Project Manager.
- 4.4.4.7.** Consultant shall review UAO marked plans and data individually as received for content, accuracy, utility type, material, and size.
- 4.4.4.8.** Consultant will review and incorporate identified utility locations into plans and produce a Potential Utility Conflict Matrix. The matrix will include location (station, offset, depth) of existing facilities relative to proposed construction features.
- 4.4.4.9.** Consultant shall coordinate with all utility owners regarding existing utilities mounted or within the bridge structure and surrounding area for utility owners to relocate their utilities if needed to allow for the construction of the new bridge structure.
- 4.4.4.10.** Consultant shall coordinate with the City of Fort Lauderdale regarding the existing water and sewer/force mains mounted or within the existing bridge structure and surrounding areas to address any impacts during construction and to design the new water and sewer mains and supports for their relocation on the new bridge structure. Consultant shall prepare plans in the same basic format required by the FDOT contract plans set components and at a minimum shall include the following:
  - 4.4.4.10.1.** Key Sheet
  - 4.4.4.10.2.** Signature Sheet
  - 4.4.4.10.3.** General Notes
  - 4.4.4.10.4.** Plan and Profile
  - 4.4.4.10.5.** Details

**4.4.5. Specifications:** FDOT Standard specifications are to be used for this Project, together with all applicable Broward County standards. Consultant must prepare the specifications package that includes standard specifications and special provisions for proposed utility work.

**4.5. Permitting:** Consultant shall prepare applications and supporting documents to obtain permits and authorizations required for the Project, including but not limited to right-of-way occupancy permits, and environmental permits. Consultant must prepare and complete the permit applications in accordance with the rules and regulations of the regulatory agency responsible for issuing each specific permit or authorization. Anticipated required permits include:

- 4.5.1. Environmental Resource Permit
- 4.5.2. Right-of-Way ("ROW") Occupancy Permit/Modification from South Florida Water Management District ("SFWMD")
- 4.5.3. Nationwide Permit from United States Army Corps of Engineers ("USACE")
- 4.5.4. Reaffirm Bridge Permit Exemption from United States Coast Guard ("USCG")
- 4.5.5. Surface Water Management License from Broward County Environmental Protection and Growth Management ("EPGMD")
- 4.5.6. Environmental Coordination: Consultant must coordinate with regulatory agencies and relevant stakeholders including but not limited to:
  - 4.5.6.1. United States Fish and Wildlife Service ("USFWS")
  - 4.5.6.2. National Marine Fisheries Service ("NMFS")
  - 4.5.6.3. NMFS for Essential Fish Habitat ("EFH")
  - 4.5.6.4. Florida Fish and Wildlife Conservation Commission ("FWC")
- 4.5.7. Florida Department of Environmental Protection (EPA) for Water and Sewer/Force Mains
- 4.5.8. City of Fort Lauderdale Water and Sewer

**5. Summary of Deliverables.** All deliverables must conform to FDOT and Broward County Standards.

- 5.1. **Technical Documentation:** Consultant must provide the following information in Portable Document Format ("PDF") file.
  - 5.1.1. Supporting Documentation
  - 5.1.2. Signed and Sealed Geotechnical Report
  - 5.1.3. Signed and Sealed Supplemental Survey
  - 5.1.4. SUE Report/Test Holes Report
  - 5.1.5. Signed and Sealed Hydraulics Report
  - 5.1.6. Signed and Sealed Drainage Report
  - 5.1.7. Construction Cost Estimate
  - 5.1.8. Documented Responses to All Previous Review Comments

**5.2. Construction Documents:** Consultant must provide plans in Computer-Aided Design and Drafting ("CADD") using Open Roads Designer ("ORD") and OpenBridge Designer ("OBD"):

- 5.2.1. 60% Construction Documents and Specifications
- 5.2.2. 90% Construction Documents and Specifications
- 5.2.3. Final Construction Documents and Specifications

**5.3. Permit Applications and Submittal Documents for Regulatory Agencies.** All permit application packages and submittal documents must conform to the applicable requirements of each permitting authority and must be in a form acceptable to County's Project Manager. Consultant shall apply to regulatory agencies for permits and

approvals on behalf of the County and shall provide copies of required permits for the Project to County's Project Manager.

**EXHIBIT B**  
**NEGOTIATED FEE**  
**WORK AUTHORIZATION No. RSH-02**  
**RFP# PNC2127975P1**

TABLE - FEE SUMMARY						
FIRM	MAX NOT TO EXCEED	REIMBURSABLE EXPENSES	TOTALS	% OF TOTAL	CBE	CBE AMOUNTS
RS&H, INC	\$ 224,046.29	\$ -	\$ 224,046.29	32.1%		
ALLBRIGHT ENGINEERING, INC.	\$ 85,413.72	\$ -	\$ 85,413.72	12.2%	12.2%	\$ 85,413.72
KEITH & ASSOCIATES, INC.	\$ 70,200.00	\$ 14,670.00	\$ 84,870.00	12.2%		
ASA CONSULTANTS, INC.	\$ 231,885.72	\$ -	\$ 231,885.72	33.2%	33.2%	\$ 231,885.72
AREHNA ENGINEERING, INC	\$ 21,311.97	\$ 19,216.39	\$ 40,528.36	5.8%	5.8%	\$ 40,528.36
INFINITE SOURCE COMMUNICATION GROUP, LLC	\$ 16,864.20	\$ 5,000.00	\$ 21,864.20	3.1%		
PREMIERE DESIGN SOLUTIONS, INC.	\$ 8,840.92	\$ 1,000.00	\$ 9,840.92	1.4%	1.4%	\$ 9,840.92
<b>TOTALS</b>	<b>\$ 658,562.82</b>	<b>\$ 39,886.39</b>	<b>\$ 698,449.21</b>	<b>100%</b>	<b>52.64%</b>	<b>\$ 367,668.72</b>

**EXHIBIT B**  
**NEGOTIATED FEE**  
**WORK AUTHORIZATION No. RSH-02**  
**RFP# PNC2127975P1**

RS&H, INC.

TASK No.	WORK ACTIVITY DESCRIPTION	Project Manager 3	Chief Engineer 1	Senior Engineer 1	Engineer 2	Engineer 1	Senior Designer	Engineering Intern	Senior Engineering Technician	Engineering Technician	Chief Scientist	Environmental Specialist	Total Staff Hours	SALARY COST
	Maximum Not to Exceed Rate	\$ 282.59	\$ 276.90	\$ 238.22	\$ 204.04	\$ 168.15	\$ 168.19	\$ 134.28	\$ 117.26	\$ 103.85	\$ 237.74	\$ 114.61		
PROJECT GENERAL TASKS														
4.1	Project Management and General Tasks	128	0	0	0	32	0	0	0	0	0	0	160	\$ 41,552.32
4.4.2	Roadway Analysis	32	16	48	64	32	32	32	32	32	0	0	320	\$ 60,101.76
4.4.2	Roadway Plans	16	9	25	33	17	16	16	16	16	0	0	164	\$ 30,938.19
4.4.2	Signing & Pavement Marking Analysis	11	5	16	22	11	11	10	10	10	0	0	106	\$ 20,047.03
4.4.2	Signing & Pavement Marking Plans	2	1	3	5	3	3	3	3	2	0	0	25	\$ 4,548.28
4.4.4	Utility Coordination	4	2	7	9	5	5	5	5	4	0	0	46	\$ 8,542.86
4.5	Permitting	0	0	0	0	0	0	0	0	0	159	179	338	\$ 58,315.85
ESTIMATED HOURS BY STAFF CLASSIFICATION		193	33	99	133	100	67	66	66	64	159	179	1159	
ESTIMATED COST BY STAFF CLASSIFICATION		\$ 54,539.87	\$ 9,137.70	\$ 23,583.78	\$ 27,137.32	\$ 16,815.00	\$ 11,268.73	\$ 8,862.48	\$ 7,739.16	\$ 6,646.40	\$ 37,800.66	\$ 20,515.19		\$ 224,046.29
PERCENTAGE OF TOTAL COST		24.34%	4.08%	10.53%	12.11%	7.51%	5.03%	3.96%	3.45%	2.97%	16.87%	9.16%	100%	
														Reimbursables for Non Salary Expenses \$ -
														RS&H, INC. GRAND TOTAL (Maximum Not To Exceed) \$ 224,046.29

**EXHIBIT B**  
**NEGOTIATED FEE**  
**WORK AUTHORIZATION No. RSH-02**  
**RFP# PNC2127975P1**

ALLBRIGHT ENGINEERING, INC.

TASK No.	WORK ACTIVITY DESCRIPTION	Chief Engineer 1	Senior Engineer 1	Engineer 2	Engineer 1	Engineering Intern	Engineering Technician	Total Staff Hours	TOTAL SALARY COST
	Maximum Not to Exceed Rate	\$ 278.76	\$ 239.82	\$ 200.10	\$ 163.80	\$ 123.63	\$ 99.48		
<b>PROJECT GENERAL TASKS</b>									
<b>4.4.3 Drainage</b>									
	Project General Tasks	0	10	2	2	4	0	18	\$ 3,620.52
4.4.3.1	Drainage Analysis	12	48	68	86	88	85	387	\$ 61,885.32
4.4.3.2	Drainage Plans	8	8	12	12	12	8	60	\$ 10,794.84
<b>4.5 Permitting</b>									
	Respond to RAIs related to drainage design	4	20	16	0	0	0	40	\$ 9,113.04
<b>ESTIMATED HOURS BY STAFF CLASSIFICATION</b>		<b>24</b>	<b>86</b>	<b>98</b>	<b>100</b>	<b>104</b>	<b>93</b>	<b>505</b>	
<b>ESTIMATED COST BY STAFF CLASSIFICATION</b>		<b>\$ 6,690.24</b>	<b>\$ 20,624.52</b>	<b>\$ 19,609.80</b>	<b>\$ 16,380.00</b>	<b>\$ 12,857.52</b>	<b>\$ 9,251.64</b>		<b>\$ 85,413.72</b>
<b>PERCENTAGE OF TOTAL COST</b>		<b>7.83%</b>	<b>24.15%</b>	<b>22.96%</b>	<b>19.18%</b>	<b>15.05%</b>	<b>10.83%</b>	<b>100.0%</b>	
Reimbursables for Non Salary Expenses \$ - ALLBRIGHT ENGINEERING, INC. GRAND TOTAL (Maximum Not To Exceed) \$ 85,413.72									

**EXHIBIT B**  
**NEGOTIATED FEE**  
**WORK AUTHORIZATION No. RSH-02**  
**RFP# PNC2127975P1**

KEITH & ASSOCIATES, INC.

TASK No.	WORK ACTIVITY DESCRIPTION	Project Manager I	Engineer 2	Chief Utility Coordinator	SUR Survey/GIS/S UE Analyst 3	SUR Chief Surveyor	SUR Surveyor	SUR Survey/GIS/S UE Analyst 2	Total Staff Hours	TOTAL SALARY COST
	Maximum Not to Exceed Rate	\$ 216.00	\$ 204.00	\$ 210.00	\$ 135.00	\$ 225.00	\$ 174.00	\$ 108.00		
<b>PROJECT GENERAL TASKS</b>										
<b>4.4.4 Utilities</b>										
4.4.4	Utilities (Relocations)	210	102	0	0	0	0	0	312	\$ 66,168.00
4.3.5	Subsurface Utility Engineering ("SUE")	1	0	4	13	1	2	6	27	\$ 4,032.00
<b>ESTIMATED HOURS BY STAFF CLASSIFICATION</b>		211	102	4	13	1	2	6	339	
<b>ESTIMATED COST BY STAFF CLASSIFICATION</b>		\$ 45,576.00	\$ 20,808.00	\$ 840.00	\$ 1,755.00	\$ 225.00	\$ 348.00	\$ 648.00		\$ 70,200.00
<b>PERCENTAGE OF TOTAL COST</b>		64.92%	29.64%	1.20%	2.50%	0.32%	0.50%	0.92%	100.0%	
Reimbursables for Non Salary Expenses \$ 14,670.00 KEITH & ASSOCIATES, INC. GRAND TOTAL (Maximum Not To Exceed) \$ 84,870.00										

**Reimbursables**

Item	Item Description	Quantity	Unit	Unit Price	Total
1	Subsurface Designation	12	Hour	\$ 235.00	\$ 2,820.00
2	Survey Crewn (Field)	8	Hour	\$ 200.00	\$ 1,600.00
3	Vacuum Excavations Pervious (Test Hole)	14	Each	\$ 550.00	\$ 7,700.00
4	Vacuum Excavations Impervious (Test Hole)	6	Each	\$ 425.00	\$ 2,550.00
Reimbursables for Direct Salary Expenses					\$ 14,670.00

**EXHIBIT B**  
**NEGOTIATED FEE**  
**WORK AUTHORIZATION No. RSH-02**  
**RFP# PNC2127975P1**

**ASA CONSULTANTS, INC.**

TASK No.	WORK ACTIVITY DESCRIPTION	Principal Engineer	Senior Engineer 1	Engineer 2	Chief Designer	Senior Engineering Technician	Total Staff Hours	TOTAL SALARY COST
	Maximum Not to Exceed Rate	\$ 274.16	\$ 214.56	\$ 199.66	\$ 134.10	\$ 110.26		
<b>PROJECT GENERAL TASKS</b>								
<b>4.4.1 Structural Design</b>								
4.4.1.1	Structures - Misc. Tasks, Dwgs, Non-Tech.	25	86	37	62	37	247	\$ 45,087.40
4.4.1.1	Structures - Short Span Concrete Bridge	75	261	112	187	112	747	\$ 136,349.90
4.4.1.1	Structures - Retaining Walls	28	97	41	69	41	276	\$ 50,448.42
<b>ESTIMATED HOURS BY STAFF CLASSIFICATION</b>		128	444	190	318	190	1270	
<b>ESTIMATED COST BY STAFF CLASSIFICATION</b>		\$ 35,092.48	\$ 95,264.64	\$ 37,935.40	\$ 42,643.80	\$ 20,949.40		\$ 231,885.72
<b>PERCENTAGE OF TOTAL COST</b>		15.13%	41.08%	16.36%	18.39%	9.03%	100.0%	
Reimbursables for Non Salary Expenses \$ - ASA CONSULTANTS, INC. GRAND TOTAL (Maximum Not To Exceed ) \$ 231,885.72								

**EXHIBIT B**  
**NEGOTIATED FEE**  
**WORK AUTHORIZATION NO. RSH-02**  
**RFP# PNC2127975P1**

Arehna Engineering, Inc.,

TASK No.	WORK ACTIVITY DESCRIPTION	MAT Chief Engineer	MAT Senior Engineer	MAT Engineer	MAT Engineer Intern	MAT Senior Engineering Technician	MAT CADD/ Computer Engineer	Total Staff Hours	TOTAL SALARY COST
	Maximum Not to Exceed Rate	\$ 262.23	\$ 184.62	\$ 159.48	\$ 115.41	\$ 108.00	\$ 101.85		
<b>PROJECT GENERAL TASKS</b>									
4.3.3	Geotechnical Investigation	6	24	42	60	9	7	148	\$ 21,311.97
ESTIMATED HOURS BY STAFF CLASSIFICATION		6	24	42	60	9	7	148	
ESTIMATED COST BY STAFF CLASSIFICATION		\$ 1,573.38	\$ 4,430.88	\$ 6,698.16	\$ 6,924.60	\$ 972.00	\$ 712.95		\$ 21,311.97
PERCENTAGE OF TOTAL COST		7.38%	20.79%	31.43%	32.49%	4.56%	3.35%	100.0%	

	Reimbursables for Non Salary Expenses	\$19,216.39
	AREHNA ENGINEERING INC. GRAND TOTAL (Maximum Not To Exceed)	\$40,528.36

**REIMBURSABLES**

ITEM#	UNIT PRICE ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL
418	Geo Drill Crew Support Vehicle	Each	\$ 214.80	4	\$ 859.20
427	Geo Extra SPT Samples-Truck/Mud Bug 0-50 Ft	Each	\$ 54.60	8	\$ 436.80
428	Geo Extra SPT Samples-Truck/Mud Bug 50-100 Ft	Each	\$ 62.03	10	\$ 620.30
429	Geo Extra SPT Samples-Truck/Mud Bug 100-150 Ft	Each	\$ 88.20	4	\$ 352.80
440	Geo Grout Boreholes- Truck/Mud Bug 0-50 Ft	LF	\$ 6.83	50	\$ 341.50
441	Geo Grout Boreholes- Truck/Mud Bug 50-100 Ft	LF	\$ 8.23	50	\$ 411.50
442	Geo Grout Boreholes- Truck/Mud Bug 100-150 Ft	LF	\$ 11.92	20	\$ 238.40
478	Geo SPT Truck/Mud Bug 0-50 Ft	LF	\$ 16.90	50	\$ 845.00
479	Geo SPT Truck/Mud Bug 50-100 Ft	LF	\$ 20.04	50	\$ 1,002.00
480	Geo SPT Truck/Mud Bug 100-150 Ft	LF	\$ 32.16	20	\$ 643.20
488	Geo Temp Casing 3in Truck/Mud Bug 0-50 Ft	LF	\$ 10.57	50	\$ 528.50
489	Geo Temp Casing 3in Truck/Mud Bug 50-100 Ft	LF	\$ 12.74	50	\$ 637.00
490	Geo Temp Casing 3in Truck/Mud Bug 100-150 Ft	LF	\$ 18.03	20	\$ 360.60
514	Geo Truck/Mud Bug Mobil (30 miles straightline distance)	Each	\$ 619.45	1	\$ 619.45
532	Geo Truck/Mudbug Drill Rig and Crew (3-person)	Hour	\$ 339.44	3	\$ 1,018.32
606	Mobilization Concrete Coring	Each	\$ 423.93	1	\$ 423.93
805	Soils Corrosion Series FM 5-550 through 5-553	Test	\$ 212.36	2	\$ 424.72
811	Soils Liquid Limit AASHTO T89	Test	\$ 65.88	1	\$ 65.88
812	Soils Materials Finer than 200 Sieve FM 1-T011	Test	\$ 47.74	2	\$ 95.48
817	Soils Moisture Content Laboratory AASHTO T265	Test	\$ 18.95	10	\$ 189.50
819	Soils Organic Content Ignition FM 1 T-267	Test	\$ 47.98	2	\$ 95.96
822	Soils Particle Size Anlys AASHTO T88 (No Hydrometer)	Test	\$ 73.55	5	\$ 367.75
826	Soils Plastic Limit & Plasticity Index AASHTO T90	Test	\$ 68.60	1	\$ 68.60
700	MOT Plan	Each	\$ 250.00	1	\$ 250.00
702	MOT -- 3-man Crew (8 hours)	Hour	\$ 1,500.00	4	\$ 6,000.00
434	Geo Ground Penetrating Radar (GPR)	Hour	\$ 290.00	8	\$ 2,320.00
<b>TOTALS</b>					<b>\$ 19,216.39</b>

**EXHIBIT B**  
**NEGOTIATED FEE**  
**WORK AUTHORIZATION No. RSH-02**  
**RFP# PNC2127975P1**

INFINITE COMMUNICATIONS GROUP, LLC

TASK No.	WORK ACTIVITY DESCRIPTION	Community Outreach Specialist	Community Outreach Specialist Senior	Total Staff Hours	TOTAL SALARY COST
	Maximum Not to Exceed Rate	\$ 115.38	\$ 158.94		
<b>PROJECT GENERAL TASKS</b>					
<b>4.1.8 Public Involvement</b>					
Community Awarness Plan	Prepare a community awareness plan within 30 calendar days after receiving NTP, and update during contract to provide the construction phase a document record of agreements and public outreach efforts, stakeholders, and contact information. Up to 3 updates. Includes Stakeholder Database.	10	20	30	\$ 4,332.60
PowerPoint Presentation	PowerPoint Presentation: document Stakeholders' inquiries, review, and resolve these inquiries with County's Project Manager.	10	14	24	\$ 3,378.96
Public Meeting Preparations	Consultant's public involvement includes planning, attendance, conducting, and documenting meeting, and handling the following: -Plan and execute a public meeting - 2 staff attending - Mail meeting information -Sign-in sheets -Public outreach material including but not limit to PowerPoint presentations -Comments -Recordings -Meeting minutes -Follow up letters	28	20	48	\$ 6,409.44
Public Meeting Attendance/Followup:	Public Meeting Attendance/Followup: Consultant is responsible for coordinating a venue for public meeting. County is responsible for any agreements and required fees associated with the public meeting.	10	10	20	\$ 2,743.20
<b>ESTIMATED HOURS BY STAFF CLASSIFICATION</b>		58	64	122	
<b>ESTIMATED COST BY STAFF CLASSIFICATION</b>		\$ 6,692.04	\$ 10,172.16		\$ 16,864.20
<b>PERCENTAGE OF TOTAL COST</b>		39.68%	60.32%	100.0%	
Reimbursables for Non Salary Expenses \$ 5,000.00 INFINITE SOURCECOMMUNICATIONS GROUP, LLC GRAND TOTAL (Maximum Not To Exceed) \$ 21,864.20					

**EXHIBIT B**  
**NEGOTIATED FEE**  
**WORK AUTHORIZATION No. RSH-02**  
**RFP# PNC2127975P1**

PREMIERE DESIGN SOLUTIONS, INC.

Task No.	WORK ACTIVITY DESCRIPTION	Project Manager 3	SUR Chief Surveyor	Engineer Intern	CADD / Computer Technician	SUR SUE Technician 2	SUR SUE Technician 2	Total Staff Hours	TOTAL SALARY COST
	Maximum Not to Exceed Rate	\$ 278.00	\$ 182.12	\$ 116.76	\$ 90.35	\$ 72.98	\$ 72.98		
<b>PROJECT GENERAL TASKS</b>									
4.3.4 Supplemental Survey									
4.3.4	Survey and R/W Verification, Elevations and Drainage Structures Verification, and Records Research	4	12	12	20	16	16	80	\$ 8,840.92
<b>ESTIMATED HOURS BY STAFF CLASSIFICATION</b>		4	12	12	20	16	16	80	
<b>ESTIMATED COST BY STAFF CLASSIFICATION</b>		\$ 1,112.00	\$ 2,185.44	\$ 1,401.12	\$ 1,807.00	\$ 1,167.68	\$ 1,167.68		\$ 8,840.92
<b>PERCENTAGE OF TOTAL COST</b>		12.58%	24.72%	15.85%	20.44%	13.21%	13.21%	100.0%	
Reimbursables for Non Salary Expenses \$ 1,000.00									
PREMIERE DESIGN SOLUTIONS, INC. GRAND TOTAL (Maximum Not To Exceed) \$ 9,840.92									