

ARCHITECT - ENGINEER QUALIFICATIONS

PART II - CONTRACT - SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. ADVERTISEMENT ITEM NUMBER AND DESCRIPTION

Item No. 1: State Route 115 from I-140 to south of Little River,

2. ADVERTISEMENT DATE

November 17, 2021

3. N/A

B. ARCHITECT - ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Mr. Justin Thyme, President

5. NAME OF FIRM

Hywater Engineering, Inc.

6. TELEPHONE NUMBER

615-752-8723

7. FAX NUMBER

615-752-8724

8. E MAIL ADDRESS

jthyme@hywater.com

C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

(Check)				9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
PRIME	JV	PARTNER	SUBCON-TRACTOR			
a.	X			Hywater Engineering, Inc. ☐ CHECK IF BRANCH OFFICE	522 Easy Street Nashville TN 37243	Roadway Design
b.			X	Roadkill Surveys, LLC ☐ CHECK IF BRANCH OFFICE	522 Uptha Road Nashville, TN 37244	Survey
c.			X	Rockslide Corporation ☐ CHECK IF BRANCH OFFICE	252 Flat Rock Road Carthage, TN 37030	Geotech
d.				☐ CHECK IF BRANCH OFFICE		
e.				☐ CHECK IF BRANCH OFFICE		
f.				☐ CHECK IF BRANCH OFFICE		

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

☐ (Attached)

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Ida Swor	13. ROLE IN THIS CONTRACT Project Manager	14. YEARS EXPERIENCE a. TOTAL b. WITH CURRENT FIRM 29 9	
15. FIRM NAME AND LOCATION (<i>City and State</i>) Hywater Engineering, Inc., Nashville, TN			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Civil Engineering, Tennessee Technological University M.S. Civil Engineering, University of Tennessee		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer in Tennessee	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Engineer of the Year in 2015 – from the ERUS foundation (Engineers Are Us)			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (County)	(2) YEAR COMPLETED	
	SR 72 over the Elk River, Cumberland County	PROFESSIONAL SERVICES	CONSTRUCTION (<i>If applicable</i>)
	Current		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm Project Manager/Design Engineer for the widening of SR-72 over the Elk River. The project involved widening the bridge from two lanes to four lanes.			
b.	(1) TITLE AND LOCATION (County)	(2) YEAR COMPLETED	
	SR-29 (US-27) from SR-1 to Huntsville, Scott County	PROFESSIONAL SERVICES	CONSTRUCTION (<i>If applicable</i>)
	2020		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm Project Manager/Design Engineer over the realignment of SR-29, including the design and review of field surveys, preliminary and final ROW plans.			
c.	(1) TITLE AND LOCATION (County)	(2) YEAR COMPLETED	
	SR-1 (US-64) Lawrenceburg Bypass, Lawrence County	PROFESSIONAL SERVICES	CONSTRUCTION (<i>If applicable</i>)
	2019		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm Project Manager over the design of a new rural bypass roadway. Project included designing an eight-lane roadway in a previously rural area.			
d.	(1) TITLE AND LOCATION (County)	(2) YEAR COMPLETED	
	SR-245 from near SR-32 to near SR-63, Claiborne County	PROFESSIONAL SERVICES	CONSTRUCTION (<i>If applicable</i>)
	2018		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm Project manager and lead designer for the widening of SR-245 from four lanes to eight lanes. Project length = 3.9 miles			
e.	(1) TITLE AND LOCATION (County)	(2) YEAR COMPLETED	
	SR-63 from 4-lane in Huntsville to I-75, Scott County	PROFESSIONAL SERVICES	CONSTRUCTION (<i>If applicable</i>)
	2018		
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm Project Manager over design for the realignment of a 2.5-mile section of SR-63.			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Ben Dover	13. ROLE IN THIS CONTRACT Roadway Design Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 15	b. WITH CURRENT FIRM 15
15. FIRM NAME AND LOCATION (City and State) Hywater Engineering, Inc., Nashville, TN			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S.-Civil Engineering, University of Tennessee		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer in Tennessee	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (County) SR-24 from Old Hickory Blvd to I-40 Davidson County	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Current	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey and roadway design for the widening of 1.71 miles of SR-24 from 3 lanes to 5 lanes. Role in project: Design Engineer		
b.	(1) TITLE AND LOCATION (County) SR-29 (US-27) from south of Whetstone Road to north of SR-328, Scott County	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2019	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey and design for the reconstruction and widening of a 1.9-mile section of SR-29, including the design and review of field surveys, preliminary and final ROW plans. Role in project: Design Engineer		
c.	(1) TITLE AND LOCATION (County) SR-72 over the Elk River, Cumberland County	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Lead Design Engineer over the widening of SR-72 over the Elk River. The project involved widening the bridge from two lanes to four lanes.		
d.	(1) TITLE AND LOCATION (County) SR-1 from Camden Bypass to Tennessee River Benton County	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Roadway design for the widening of a 4.1-mile section of SR-1 from two lanes to five lanes. Role in project: Design Engineer		
e.	(1) TITLE AND LOCATION (County) SR-63 from Campbell County line to Hall Lane Scott County	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Design services for the widening of SR-63 from 2 lanes to 5 lanes. Project length = 5.35 miles. Role in project: Design Engineer		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Jay Walker	13. ROLE IN THIS CONTRACT Surveyor	14. YEARS EXPERIENCE	
		a. TOTAL 20	b. WITH CURRENT FIRM 20
15. FIRM NAME AND LOCATION (City and State) Roadkill Surveys, LLC, Nashville, TN			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S.-Forestry/Civil Engineering, University of Texas		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Land Surveyor in Tennessee	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Awarded "Most Accurate Surveyor" by the Land Surveyors Association in 2013, 2014, and 2017.			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (County) SR-386 (Vietnam Veterans Blvd) Interchange at SR-286, Sumner County	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Current	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project surveyor responsible for determining the existing right-of-way and property lines around interchange. Staked proposed right-of-way and prepared property descriptions for conveyances. Role in project: Survey Crew Chief		
b.	(1) TITLE AND LOCATION (County) SR-373 Interchange at International Drive, Roane County	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2019	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE From I-65 to SR-417 – widening of interchange Role in project: Survey manager		
c.	(1) TITLE AND LOCATION (County) US-63 from Campbell County line to Hall Lane Scott County	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Widening SR-63 from two lanes to five lanes. Project length = 5.35 miles Role in project: Survey Crew Chief		
d.	(1) TITLE AND LOCATION (County) SR-2 to SR-4 in Shelby County	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Widening at SR-2 and SR-4 interchange. Add two additional lanes on each State Route. Role in Project: Survey Crew Chief		
e.	(1) TITLE AND LOCATION (County) SR-24 from west of SR-109 to west of Countrywood Drive in Lebanon, Wilson County	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Surveyor for 2.8-mile widening project. Role in project: Survey Crew Chief		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME Ima Carr	13. ROLE IN THIS CONTRACT Geotechnical Engineer	14. YEARS EXPERIENCE	
		a. TOTAL 15	b. WITH CURRENT FIRM 15
15. FIRM NAME AND LOCATION (City and State) Rockslide Corporation, Antioch, TN			
16. EDUCATION (DEGREE AND SPECIALIZATION) BS Civil Engineering, University of Kentucky		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer in Tennessee and Kentucky	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Member of National Association of Women in Construction (NAWIC)			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (County) SR-386 (Vietnam Veterans Blvd) Interchange at SR-258, Sumner County	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES Current	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Geotechnical Engineer. Engineer for soil and geotechnical services for the SR-386 interchange with SR-258 (New Shackle Island Road)		
b.	(1) TITLE AND LOCATION (County) SR-373 Interchange at International Blvd Roane County	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2019	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Principal geotechnical engineer and project manager. Reviewed data, made recommendations for bridge foundations and retaining walls		
c.	(1) TITLE AND LOCATION (County) US-272 ramps at I-81, Washington County	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2019	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project geotechnical engineer. Performed slope stability analysis and made recommendations for retaining walls.		
d.	(1) TITLE AND LOCATION (County) SR-277 from SR-4 to SR-57 Shelby County	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2019	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Geotechnical manager for geotechnical investigation for the design, construction, and other related features for the widening of SR-277 from SR-4 to SR-57.		
e.	(1) TITLE AND LOCATION (County) SR-72 over Elk River Cumberland County	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (If applicable)
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Geotechnical manager for geotechnical exploration and recommendations for bridge foundations, slopes and retaining walls.		

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 1		
21. TITLE AND LOCATION (County) SR-72 over the Elk River in Cumberland County		22. YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES Current</td> <td>CONSTRUCTION (If applicable)</td> </tr> </table>	PROFESSIONAL SERVICES Current	CONSTRUCTION (If applicable)
PROFESSIONAL SERVICES Current	CONSTRUCTION (If applicable)			
23. PROJECT OWNER'S INFORMATION				
a. PROJECT OWNER TDOT	b. POINT OF CONTACT NAME Ida Swor	c. POINT OF CONTACT TELEPHONE NUMBER 615-741-2021		
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>				

SR-72 over the Elk River in Cumberland County - widening of the SR-72 bridge from two lanes to four lanes. Engineering services include Geotech, and Preliminary, Right-of-Way and Construction Plans.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a..	(1) FIRM NAME Hywater Engineering, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Nashville, TN	(3) ROLE Prime
b.	(1) FIRM NAME Rockslide Corporation	(2) FIRM LOCATION <i>(City and State)</i> Antioch, TN	(3) ROLE Geotech
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 2		
21. TITLE AND LOCATION (County) SR-63, Scott County, Tennessee		22. YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES Current</td> <td>CONSTRUCTION (If applicable)</td> </tr> </table>	PROFESSIONAL SERVICES Current	CONSTRUCTION (If applicable)
PROFESSIONAL SERVICES Current	CONSTRUCTION (If applicable)			
23. PROJECT OWNER'S INFORMATION				
a. PROJECT OWNER TDOT	b. POINT OF CONTACT NAME Bob Sledd	c. POINT OF CONTACT TELEPHONE NUMBER 615-741-2022		

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SR-63 widening from two lanes to five lanes. The project involved field survey, preliminary, right-of-way, and construction plans.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a..	(1) FIRM NAME Hywater Engineering, Inc.	(2) FIRM LOCATION <i>(City and State)</i> Nashville, TN	(3) ROLE Prime
b.	(1) FIRM NAME Roadkill Surveys, LLC	(2) FIRM LOCATION <i>(City and State)</i> Nashville, TN	(3) ROLE Survey
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

[illegible]

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	SR-72 over Elk River in Cumberland County	6	
2	SR-63 in Scott County	7	
3		8	
4		9	
5		10	

H. LETTERS

30. PROVIDE A SIGNED STATEMENT FROM EACH SUB-CONSULTANT ON THEIR COMPANY LETTERHEAD CONFIRMING THAT THEY HAVE THE STAFF AVAILABLE AND AGREE TO PROVIDE SERVICES TO THE PRIME CONSULTANT AS INDICATED IN THIS PROPOSAL. ALSO, PROVIDE A COPY OF TDOT'S OVERHEAD APPROVAL LETTER FOR THE FIRM AND FOR EACH SUB-CONSULTANT. PLEASE NOTE THAT APPROVED OVERHEAD RATES ARE VALID FOR ONE YEAR AFTER THE EFFECTIVE DATE SHOWN IN THE APPROVAL LETTER.

I. ADDITIONAL INFORMATION

31. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. INCLUDE A LIST OF PROJECTS CURRENTLY UNDER CONTRACT WITH THE DIVISION AND THE STATUS OF EACH PROJECT. ATTACH ADDITIONAL SHEETS AS NEEDED.

Hywater Engineering TDOT Roadway Design Division Projects Under Contract

Project Name	Agreement Number	Current Status
SR-80 from Defeated Creek Hwy to Dog Branch Road, Smith County	E5742	ROW plans currently being developed
SR-111 from Gooseneck Road to County House Road, White County	E4975	On hold pending funding approval
SR-10 from Chicken Road to Stumpy Lane, Wilson County	E4283	Construction plans 90% complete

32. SIGNATURE

33. DATE

34. NAME AND TITLE
