



KC WATER SYSTEMS ENGINEERING

DATE: April 22, 2021

TO: D. Matt Bond, P.E., Deputy Director
Charlie Stevens, Utility Operations Officer

FROM: Davis McDonald-MacLin, Project Manager – Distribution Division

SUBJECT: Design Professional Services Bid Recommendation
Water Main Replacements in the Area of NW Harlem Road to 14th Street, Baltimore Avenue to Jefferson Street

DS

1. **PROJECT NUMBER(S):** 80002270

2. **CONTRACT NUMBER:** 9589

3. **PROJECT DESCRIPTION:**

The Project in general consists of replacing certain break-prone or obsolete water mains and appurtenances and providing other distribution system improvements within the project limits, generally defined as NW Harlem Road to 14th Street, Baltimore Avenue to Jefferson Street.

The total estimated length of water mains to be replaced is 15,570 linear feet.

The specific mains to be replaced and other distribution system improvements consist of the following:

1. Replace 760 LF of 12-inch CIP water main with 12-inch DIP along N. Broadway between NW Harlem Road and Lou Holland Drive, and;
2. Replace 2,910 LF of 6-inch and 8-inch CIP water mains with 8-inch DIP along NW Harlem Road between N. Richards Rd. and N. McGee Street, and;
3. Replace 400 LF of 6-inch CIP water main with 8-inch DIP along N. Walnut Street between N. Harlem Road and the end of the cul-de-sac, and;
4. Replace 2,000 LF of 6-inch CIP and 12-inch CIP water mains with 8-inch DIP and 12-inch DIP, respectively, along N. Grand Avenue between N. Harlem Road and N. Kansas City Limits, and;
5. Replace 800 LF of 6-inch CIP, 8-inch CIP, and 10-inch CIP water mains with 8-inch DIP and 12-inch DIP, respectively, along W. 7th Street between Broadway Boulevard and Pennsylvania Avenue, and;
6. Replace 710 LF of 8-inch CIP main with 8-inch DIP along W. 8th Street between Washington Street and Broadway Boulevard, and;
7. Replace 2,360 LF of 6-inch CIP and 8-inch CIP water mains with 8-inch DIP along Broadway between Highway 70 and W. 12th Street;
8. Replace 380 LF of 10-inch CIP water main with 12-inch DIP along May Street between W. 9th Street and W. 8th Street, and;

9. Replace 560 LF of 12-inch CIP water main with 12-inch DIP along W. 9th Street between Wyandotte Street and west of Main Street (approximately V-40), and;
10. Replace 1,940 LF of 4-inch CIP, 6-inch CIP, 8-inch CIP, 24-inch CIP water mains with 8-inch DIP and 24-inch DIP, respectively, along Baltimore Avenue between W. 9th Street and W 11th Street, and;
11. Replace 520 LF of 10-inch CIP water main with 12-inch DIP along Wyandotte Street between W. 10th Street and W. 11th Street, and;
12. Replace 870 LF of 10-inch CIP water main with 12-inch DIP along W. 10th Street between Washington Street and Central Street, and;
13. Replace 1,360 LF of 6-inch CIP water main with 8-inch DIP along W. 11th Street between Broadway Boulevard and east of Baltimore Avenue (approximately V-50).

4. **TASK SERIES LISTING:** The basic Scope of Services is organized under the following Task Series:

- Task Series 100 – Project Administration
- Task Series 200 – Preliminary Design
- Task Series 300 – Final Design
- Task Series 400 – Optional Services

5. **COST INFORMATION:**

- Design Professional Services: \$470,000.00
- Optional Services: \$50,000.00
- Grand Total: \$520,000.00

Design Cost per Linear Foot w/o Optional Services: \$30.19

Design Cost per Linear Foot w/ Optional Services: \$33.40

6. **SOURCE OF FUNDS:** FY22-8010-807705-611040-80002270

7. **MBE/WBE GOALS:** 11% MBE / 7% WBE

8. **DESIGN PROFESSIONAL SERVICES SELECTION COMMITTEE:**

Committee Meeting Date: December 14, 2020

Selection Type: Internal Selection

Selection Method: From Proposal Only Internal


Selection Committee Members:


- a. D. Matt Bond, P.E., Deputy Director Water Services
- b. Jeff Martin, P.E., Engineering Officer Water Services
- c. Melanie Jollett, P.E., Water Distribution Division Head

Design Professional	Selection	Project No. / Contract No. Assigned
Tetra Tech	Yes	80002270/9589
Crawford, Murphy, Tilly	Yes	80002271/9591
GBA	Yes	80002272/9593
HNTB Corporation	Yes	80002273/9595
Walter P. Moore	Yes	80002274/9597
Lamp Rynearson	Yes	80002275/9599
Olsson	Yes	80002276/9601
Black and Veatch	Alternate #1	N/A
Burns & McDonnell	Alternate #2	N/A
Anderson Engineering	No	N/A
Carollo Engineers, Inc.	No	N/A
Cook, Flatt, & Strobel Engineers	No	N/A
DuBois Consultants	No	N/A
GHD, Inc.	No	N/A
HDR	No	N/A
H.W. Lochner, Inc.	No	N/A
Jacobs Engineering Group, Inc.	No	N/A
McClure Engineering	No	N/A
OBI Consulting Engineers	No	N/A
Renaissance Infrastructure Consulting	No	N/A
SK Design Group, Inc.	No	N/A
Taliaferro & Brown, Inc.	No	N/A
TranSystems	No	N/A
Trekk Design Group, LLC	No	N/A
Wilson and Company	No	N/A

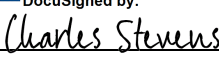
9. **RECOMMENDATIONS**

The Selection Committee recommends **Tetra Tech, Inc.** for Project No. 80002270: Water Main Replacements in the Area of NW Harlem Road to 14th Street, Baltimore Avenue to Jefferson Street. Tetra Tech intends to sub-contract Environmental Advisors and Engineers, Inc. (EAE), Taliaferro & Browne, TSi Engineering, Inc., and TREKK Design Group, LLC., **contract #9598**.

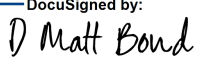
Approved:  Initial 5/5/2021 Date
Melanie Jollett, P.E., Distribution Division Head
Water Services Department

Approved:  Initial 5/5/2021 Date
Jeff Martin, P.E., Chief Engineering Officer
Water Services Department

Approved: _____
Charlie Stevens, Utility Operation Officer
Water Services Department

DocuSigned by:  5/10/2021 Date
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Approved: _____
D. Matt Bond, P.E., Deputy Director
Water Services Department

DocuSigned by:  5/10/2021 Date
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cc: Melanie Jollett, P.E., Water Distribution Division Head
Leona Walton, Contracts Administrator
Contract file #9589



ENGINEERING QA/QC REVIEW FORM

Project Name: WMR NW Harlem Road to 14th Street, Baltimore Avenue to Jefferson Street	Document Type: DPS Bid Recommendation Memo
Project Number: 80002270	Contract Number: 9589
Project Manager: Davis McDonald-MacLin	Council Introduction Date:

First Line Review

Project Manager: Davis McDonald-MacLin

I have prepared this document for review. I attest to the quality of the content, accuracy of the content and grammatical work contained herein.

Signature *Davis McDonald-MacLin* Date 4.22.21

Supervisor: Melanie Jollett

I have reviewed this document and have indicated my comments.

Signature *Melanie Jollett* Date 4/29/21

First line Review Deadline:

Second Line Review

Project Manager:

I have reviewed the corrected version of this document. All indicated comments have been incorporated or resolved to my satisfaction.

Signature Date

Objective Review

Quality Assessor:

I have reviewed this document and have indicated my comments.

Signature *[Signature]* Date 4-27-2021

Objective Review Deadline:

Approval for Issuance

Project Manager:

I have completed each of the first line, second line and objective review steps. I have prepared this document for final approval. I attest to the quality of the content, accuracy of the content and grammatical work contained herein.

Signature Date

**Engineering QA/QC checklist must be attached to this form prior to submittal*



ENGINEERING QA/QC CHECKLIST

	PM Initials	Supervisor Initials	Objective Reviewer Initials
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Is the information presented in a logical order?



Is the report presented in consistent tense?



Is the report written in third person?



Is proper grammar used?



Is proper paragraph and sentence structure used?



Is punctuation properly and consistently applied?



Are abbreviations and acronyms properly defined and consistently used?



Has the content been proofread for typographical and spelling errors?



Would the content make sense to a person unfamiliar with this project/work?



Has the reader's perspective been considered?



Does the content clearly describe the benefit to the customer?
(If applicable)



DRMM
4.22.21

WJ
4/29/21

TT
4-27-21