



# RFP – FIBER OPTIC DESIGN AND PLANNING SERVICE

## ABSTRACT

To plan and design fiber upgrades for the City of Niles

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Information Technology Services

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## General Information:

### A. OBJECTIVE:

The City of Niles (City) is soliciting proposals from vendors (referred to hereafter as “Consultant” or “Contractor”) for Outside Plant (OSP) Network Design and install, Fiber Route Planning and Permitting for expansion of the City Fiber Optic Network (FON).

### B. QUESTIONS ABOUT AND CLARIFICATION OF THE RFP:

All questions regarding this Request for Proposal (RFP) shall be submitted via e-mail. Questions will be accepted and answered in accordance with the terms and conditions of this RFP.

All questions shall be submitted on or before October 30, 2020 @ 10:00 a.m., and should be addressed as follows:

Scope of Work/Proposal Content questions shall be e-mailed to [dibblm@thecityofniles.com](mailto:dibblm@thecityofniles.com)

RFP Process and Compliance questions shall be e-mailed to [pzuzolo@thecityofniles.com](mailto:pzuzolo@thecityofniles.com) Phil Zuzolo , Attorney.

RFP Submittals shall be mailed in a sealed envelope to be opened on:  
October 30 2020 @ 10:00 a.m.

Attention: City Auditor  
34 West State St.  
Niles, Ohio 44446

Should any prospective consultant be in doubt as to the true meaning of any portion of this RFP, or should the consultant find any ambiguity, inconsistency, or omission therein, the consultant shall make a written request for an official interpretation or correction by the due date above.

All interpretations, corrections, or additions to this RFP will be made only as an official addendum that will be posted to [thecityofniles.com](http://thecityofniles.com) and it shall be the consultant’s responsibility to ensure they have received all addenda before submitting a proposal. Any addendum issued by the City shall become part of the RFP, and must be incorporated in the proposal where applicable.

### C. PRE-PROPOSAL MEETING:

Any proposal meetings for clarification will be held using gotomeeting at the request of the contractor making the submission. Physical onsite walk throughs are recommended and time will be provided for such as the contractor needs.

#### D. PROPOSAL FORMAT:

Each respondent must submit in a SEALED envelope

1. One (1) Original Proposal
2. Three (3) additional proposals
3. One (1) digital copy in PDF format.

#### SEALED PROPOSAL SUBMISSION:

Proposal Submitted must be marked as:

ATTN: City Auditor  
34 West State St.  
Niles, Ohio 44446

All proposals received on or before the due date will be publicly opened and recorded on the due date. No immediate decisions will be rendered.

Each bid must, be accompanied by a bid guaranty in the form of a bid bond for the full amount of the bid or a certified check, cashier's check or letter of credit for 10% of the bid (the bid will be rejected if the insurer of a bid bond is not licensed to do business in Ohio). R.C 153.54 and 9.311.

#### E. RESERVATION OF RIGHTS:

1. The City reserves the right in its sole and absolute discretion to accept or reject any or all proposals, or alternative proposals, in whole or in part, with or without cause.
2. The City reserves the right to waive, or not waive, informalities or irregularities in terms or conditions of any proposal if determined by the City to be in its best interest.
3. The City reserves the right to request additional information from any or all consultants.
4. The City reserves the right to reject any proposal that it determines to be unresponsive and deficient in any of the information requested within RFP.
5. The City reserves the right to determine whether the scope of the project will be entirely as described in the RFP, a portion of the scope, or a revised scope be implemented.
6. The City reserves the right to select one or more consultants to perform services.
7. The City reserves the right to retain all proposals submitted and to use any ideas in a proposal regardless of whether that proposal is selected. Submission of a proposal indicates acceptance by the firm of the conditions contained in this RFP, unless clearly and specifically noted in the proposal submitted.
8. The City reserves the right to disqualify proposals that fail to respond to any requirements outlined in the RFP, or failure to enclose copies of the required documents outlined within RFP.

## Scope of Service

### A. Background

(See Attachment A with colored route.)

1. Est. 6400 Ft – BLUE – to Wellness
2. Est. 1200 Ft – RED – To Safety Service Building
3. Est. 12,000 Ft – GREEN – to Waste Water Building
4. Est 150FT – (Attachments B,C,D,E,F) – Underground Directional Bore.

Currently a 12 Strand HYBRID fiber exists for (1) Niles Wellness Center. This hybrid cable is a mix of single mode and multi mode cable. The will be a rip and replace as the cable has exceeded its ability for replacement and is not installed correctly. (2) Will be another replacement and will be replaced using armored cable to prevent rodent damage in the future.(3) will be and entirely new run.

- (1) Is expected to be either a 48 or 72 pair single mode run.
- (2) Is expected to be a 12 pair armored single mode.
- (3) Is expected to be a 144 strand single mode.
- (4) Is expected to be 12 strang single mode

### B. Objective

The City of Niles (City) is soliciting proposals from vendors for Outside Plant (OSP) Network Design, Fiber Route Planning and Permitting for expansion of the City Fiber Optic Network (FON).

Our main objective is several:

1. Connect CH to WasteWater to avoid monthly charges for leased lines.
2. Replace bad fiber run from CH to Niles Wellness
3. Replace bad fiber to the Safety building
4. New Connection to SCOPE bldg..
5. Other connections are optional based on price and scope of work required vs available present funding.

### C. Requirements

1. To plan, Route, Install and terminate using City Owned Telephone poles and right away
2. Develop clear, concise, and accurate designs for each new FON segment to mitigate issues and increase project success
3. Provide all viable route options, accurate information, new industry technology, new products, and industry best practices to allow the City to select the most optimal solution.
4. Utilize existing City infrastructure (i.e. conduit, telephone poles), if feasible.
5. Provide route engineering that includes make-ready recommendations and all required pole attachment applications per the design recommendation.
6. The Consultant will provide on-site field/site surveys and splice point requirements as required.

7. Is required to act on the City's behalf in rights of way negotiations and communicate with local and state governmental jurisdictions so aerial and underground infrastructure requirements are met.
8. Appropriately label all network components (cabling, splice enclosures, etc.) based upon industry best practices and adhere to labeling requirements of third-party pole owners (e.g., AT&T, DTE, railroad, etc.)

#### D. The City Will:

1. Upon award of the contract, the City will provide mapped and electronic information about existing infrastructure including; information about City owned conduit, fiber, partner assets and existing water utilities infrastructure so fiber can be placed efficiently (refer to Attachment A for a listing of available data sources).
2. Provide access to City-owned street lights and poles. The City will help ensure access to existing infrastructure where appropriate.
3. As a pole owner, in instances where there is useable, excess space and capacity on the pole, the City of Niles may be able to reallocate pole space.
4. Provide access to City-owned property for placement of infrastructure that will permit providers to reach required areas within the City.

#### E. Technical Specifications:

Consultant shall provide the best solution for our needs, lashed or ADSS cable. Enclosures to be bid and provided by installer. Tyco or other EASY access enclosures. Terminations not to exceed 6 per run to be provided by installer. Building entrance boxes and any weather proofing material as well as warranty of work to be provided by installer as well.

#### F. Bid Bond:

Bidders must submit bid bonds along with proposals.

### Minimum Information:

### Attachments and Exhibits:

1. Attachment A: Indicates MUST have scope of work which consists of:
  - a. 12-24 Strand SM Fiber from CH (City Hall, 34 West State St.) to Niles Wellness Center (213 Sharkey Drive.)
  - b. 12-24 Strand SM Fiber from CH to Niles Safety (15 East State St)
  - c. 96-144 strand SM Fiber from CH to Niles Waste Water Plant (999 Summit Ave)
  - d. Underground bore from Safety Building to across street, Niles Scope bldg..





RED –

From: 34 West State St. Niles, OH 44446

TO: 19 East State St. Niles, OH 44446

GREEN-

FROM: 34 West State St. Niles, OH 44446

TO: 999 Summit Ave. Niles, OH 44446



Figure 2: Niles PD





*Figure 3: Niles PD to Senior (Panoramic)*



*Figure 4: Niles Senior Center*



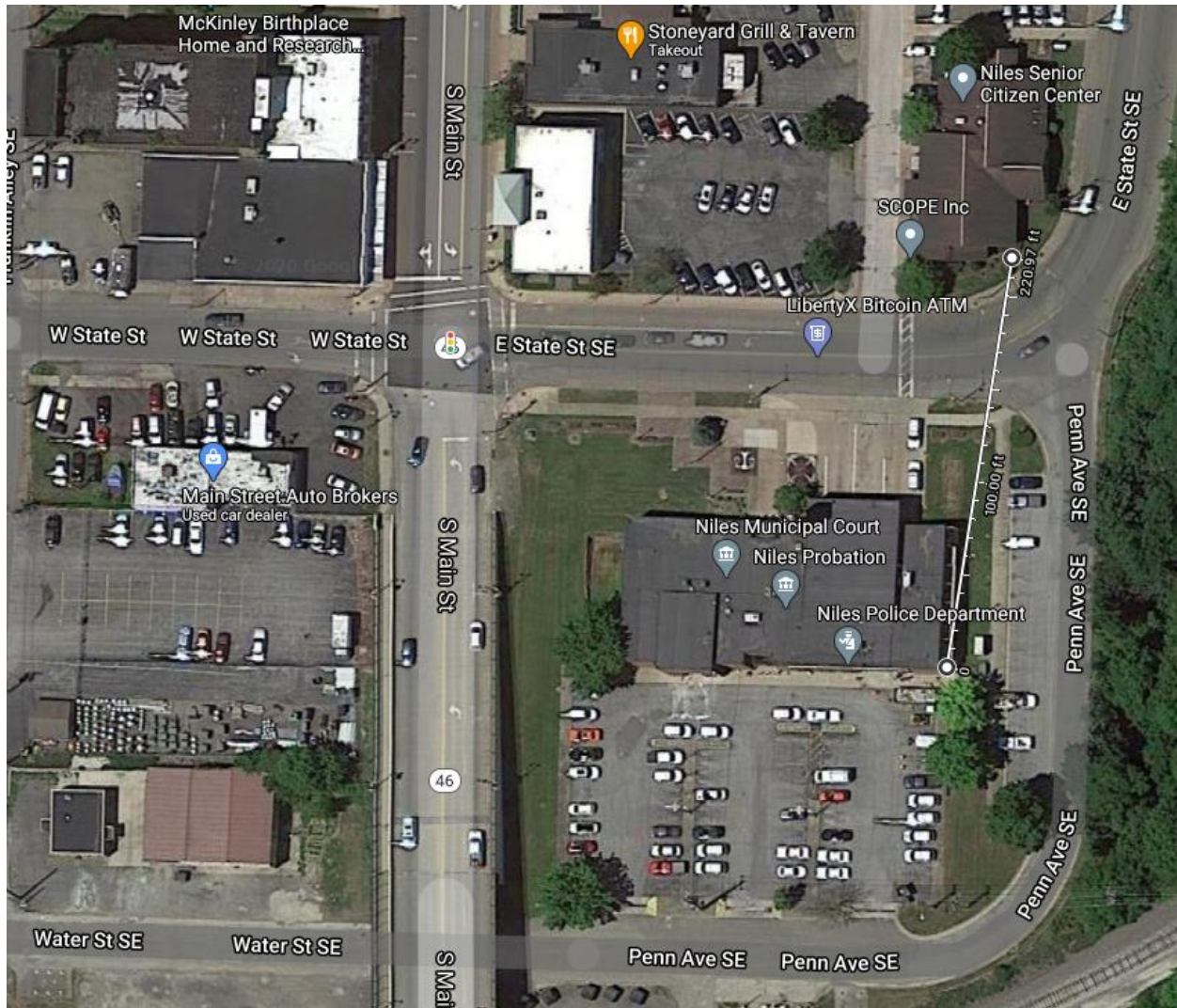


Figure 5: Underground Bore from Safety to Scope

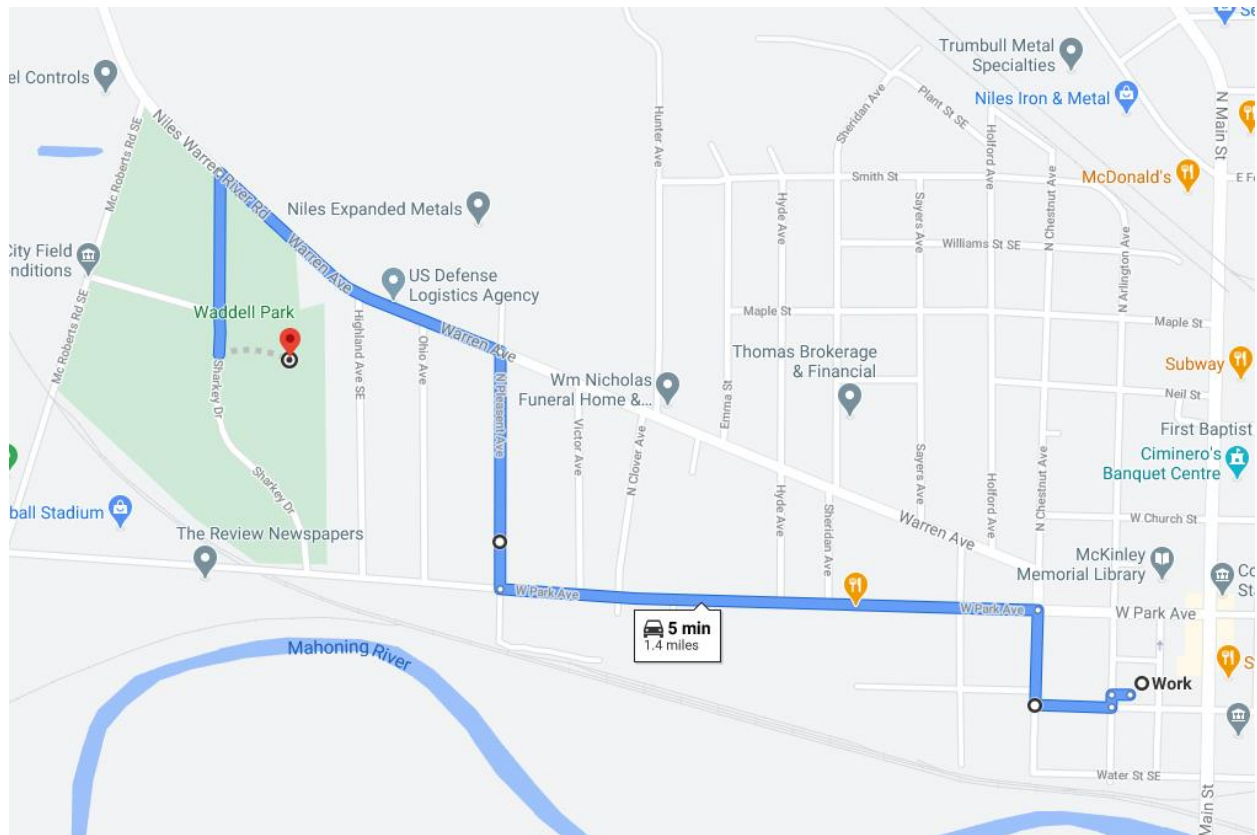


Figure 6: CityHall to WellnessCenter

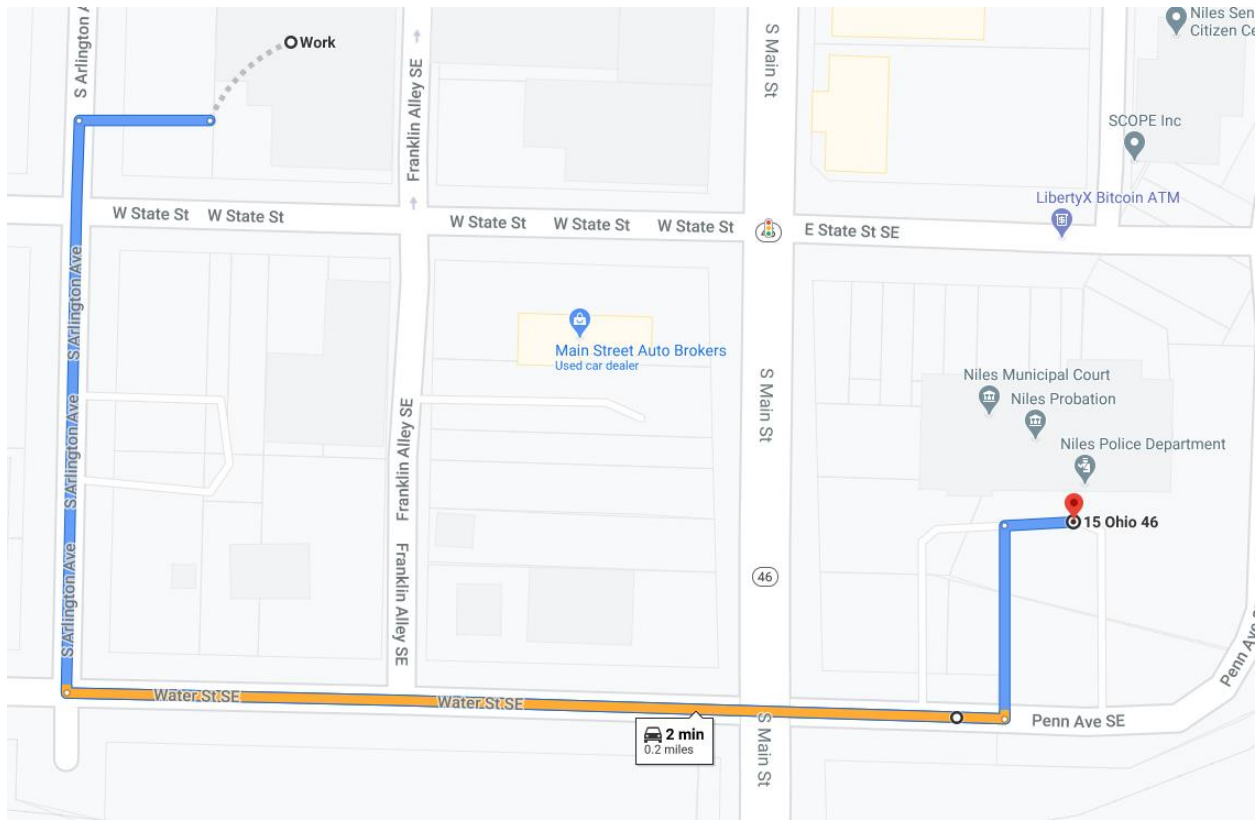


Figure 7: Police Dept to SCOPE Center - Underground BORE

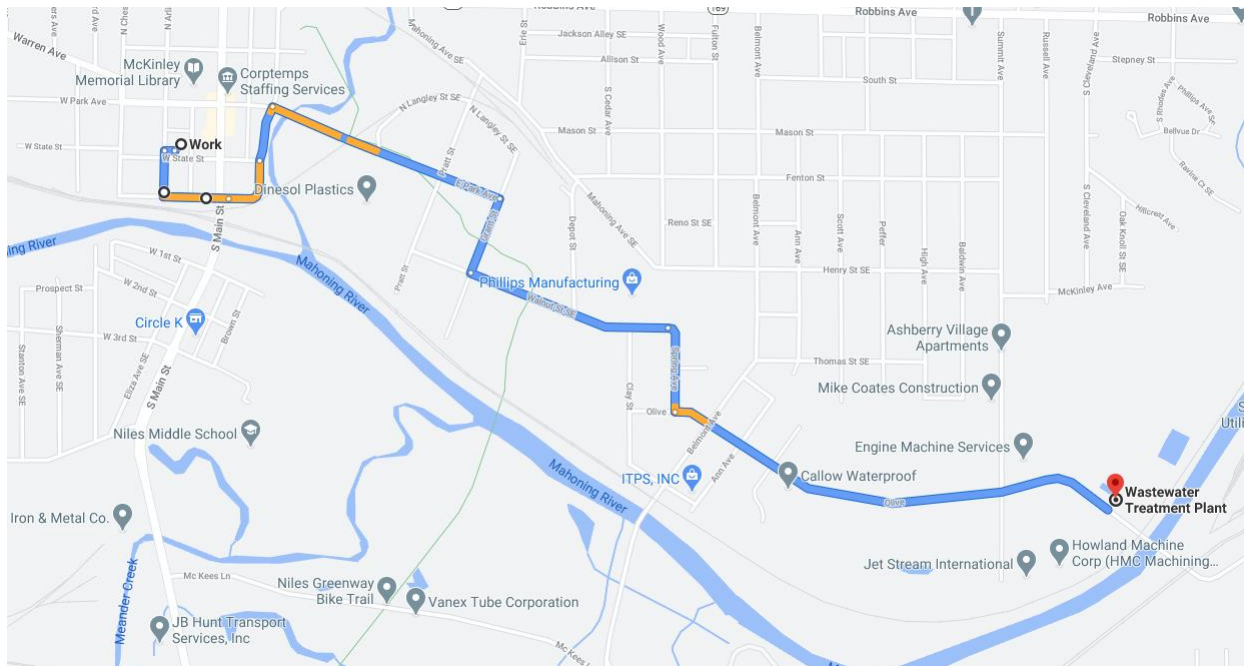


Figure 8: CityHall to WasteWater



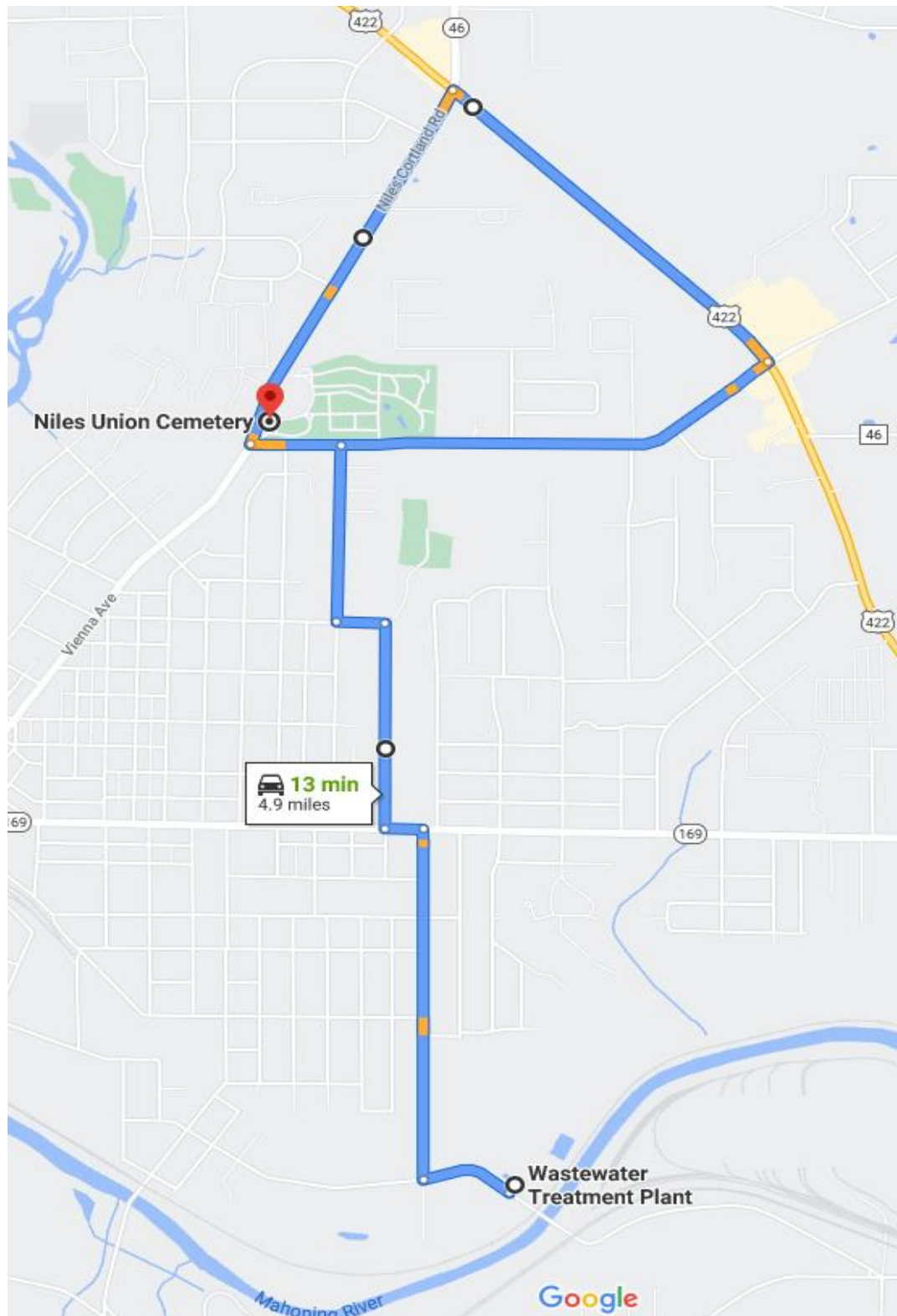


Figure 9: WasteWater to Cemetery-MainSub